

20021118.qrp v02_n743.qrl.20021118

Date: Mon, 18 Nov 2002 19:03:13 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2743

QRP-L Digest 2743

Topics covered in this issue include:

- 1) [140263] FS Items: Shack Cleaning
by Rhett Isley <risley@ipass.net>
- 2) [140264] 8N10GA 10 meters !!!!
by "George Osier" <gosier@twcny.rr.com>
- 3) [140265] FS:Gap Titan DX
by "Ron Kolarik" <rkolarik@neb.rr.com>
- 4) [140266] FS/FT: SW+40 KIT
by ARDUJENSKI@aol.com
- 5) [140267] About Morse...
by "Jason Hissong" <jhisson1@columbus.rr.com>
- 6) [140268] RE: [fpqrp] Truffle Log
by Richard Powell <ripowell@mpna.com>
- 7) [140269] [CONTEST] Early SS report
by Kevin Anderson <k9iua@juno.com>
- 8) [140270] Re: [CONTEST] Early SS report
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
- 9) [140271] NiCad 'D' Cells \$3 at RS
by W0rw@aol.com
- 10) [140272] Re: [CONTEST] Early SS report
by "Russ Hines" <wb8zcc@one.net>
- 11) [140273] Fox- K4FB Log v2.0
by Paul Womble <pwomble1@tampabay.rr.com>
- 12) [140274] OT - PIC processor question
by "Kevin Philbin" <oz2dkp@hotmail.com>
- 13) [140275] Re: [CONTEST] Early SS report
by "pschweit" <pschweit@mninter.net>
- 14) [140276] Re: OT - PIC processor question
by "Ian Wilson" <ianmwilson@earthlink.net>
- 15) [140277] FS: Tektronix 455 Oscilloscope
by Russ Dow <n7dw@earthlink.net>
- 16) [140278] Re: OT - PIC processor question
by Brian Short <bshort4@cox.net>
- 17) [140279] Re: OT - PIC processor question
by "Leon Heller" <leon_heller@hotmail.com>
- 18) [140280] Prelim SS report:
by Wayne Scace <k9di@earthlink.net>
- 19) [140281] Re: OT: Goom bye sheetmetal shop...Hello Surface mt soldering

school...THEN...

- by John Payne <paynej1@strato.net>
- 20) [140282] Manual for Century 22
by "Gene Sailsbury" <gsailsbury@mobil1.net>
- 21) [140283] NEED YUPITERU URL....
by "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>
- 22) [140284] Re: OT - PIC processor question
by "Bill, N4QA" <n4qa@hotmail.com>
- 23) [140285] RE: 2n2/40 Parts search
by Nick Kennedy <nkennedy@tcainternet.com>
- 24) [140286] Question on SS Rules
by W2AGN <w2agn@w2agn.net>
- 25) [140287] RE: RF POWER ATTENUATOR INFO....
by Nick Kennedy <nkennedy@tcainternet.com>
- 26) [140288] Re: OT - PIC processor question
by "John J. McDonough" <wb8rcr@arrl.net>
- 27) [140289] CENTURY 22 MANUAL FOUND
by "Gene Sailsbury" <gsailsbury@mobil1.net>
- 28) [140290] Sweepstakes
by Bruce Ratray <rattray@gpfn.sk.ca>
- 29) [140291] Club Station on QRP: K2BRK in WNY
by wkhibbert@juno.com
- 30) [140292] Re: OT - PIC processor question
by Lew Paceley <lew@paceley.com>
- 31) [140293] Re: OT - PIC processor question
by "Tim, N9PUZ" <n9puz@arrl.net>
- 32) [140294] WTB: JONES KEYS
by Curt <k3ivb@yahoo.com>
- 33) [140295] Soldering info suggestions please
by IamSF5@aol.com
- 34) [140296] Re: link to sheet metal tools website
by "E. Roswell" <eroswell@monmouth.com>
- 35) [140297] QQ - Missing picture
by Lenny Wintfeld <w2bvh@comcast.net>
- 36) [140298] TDA1072 1-chip Rx Post-Mortem
by Nick Kennedy <nkennedy@tcainternet.com>
- 37) [140299] OT: RTO Electronics Repair
by wp4jxd@isla.net
- 38) [140300] WAS QRP
by Bruce Ratray <rattray@gpfn.sk.ca>
- 39) [140301] [CONTESTS] Follow-up SS Phone from K9IUA
by Kevin L Anderson <k9iua@juno.com>
- 40) [140302] test-disregard this message
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
- 41) [140303] solar controller
by <wa4chq@qsl.net>
- 42) [140304] IOX project details for homebrewers
by "George Heron N2APB" <n2apb@erols.com>

- 43) [140305] Update: Experimenter's DDS Signal Generator
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 44) [140306] Sidekick Builders Pad generation technique de K7Q0 [long]
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
- 45) [140307] I'm not getting any messages...
by Mark Fields <mark_ke5my@juno.com>
- 46) [140308] Re: OT - PIC processor question
by David Beach <dbeach@blvl.igs.net>
- 47) [140309] K9DI SS report
by Wayne Scace <k9di@earthlink.net>
- 48) [140310] OT:Which ISP do you recommend?
by Mark Fields <mark_ke5my@juno.com>
- 49) [140311] Re: [HQRP] OT:Which ISP do you recommend?
by Ted Kell <tedkell@ev1.net>
- 50) [140312] QRP Homebrewer #9 hits the street
by "George Heron N2APB" <n2apb@erols.com>
- 51) [140313] Sneaux and antennas
by hamjoel@juno.com
- 52) [140314] SideKick
by "Jay Bromley" <w5jay@alltel.net>
- 53) [140315] Filters for Yaesu FT-747sx
by Ji m <ku4qw@yahoo.com>
- 54) [140316] SS SSB W6RCL Single Op QRP
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
- 55) [140317] Testing 1 2 3 Time:12:10 AM PST
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 56) [140318] OT: Juno is (I think) blocking my messages
by Mark Fields <mark_ke5my@juno.com>
- 57) [140319] Michigan QRP Net
by kwiike@gdls.com
- 58) [140320] Fw: NiCad 'D' Cells \$3 at RS
by "Walt Amos K8CV" <waltk8cvamosqrp@earthlink.net>
- 59) [140321] Re: [fpqrp] OT:Which ISP do you recommend?
by Lloyd Lachow <llachow@yahoo.com>
- 60) [140322] QRO Lauds QRP ops in ARRL SSB SS
by "LEE HOPPER" <leehopp@msn.com>
- 61) [140323] Re: [fpqrp] OT:Which ISP do you recommend?
by Lloyd Lachow <llachow@yahoo.com>
- 62) [140324] RE: [fpqrp] Sneaux and antennas
by Richard Powell <ripowell@mpna.com>
- 63) [140325] Re: PIC processor question
by Alex <kr1st@amsat.org>
- 64) [140326] SS phone results
by Tom Mc <tjmc@erols.com>
- 65) [140327] Re: K9DI SS report
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
- 66) [140328] Re: Fw: NiCad 'D' Cells \$3 at RS
by John Kuklewicz <kukl@cybrquest.com>

- 67) [140329] FS RM-20
by "John Small" <jdsmall@sigecom.net>
- 68) [140330] Re: WAS QRP
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
- 69) [140331] Re:OT: Juno is (I think) blocking my messages
by Wayne <w5kdj@juno.com>
- 70) [140332] Z-Match and end-fed halfwave?
by Michael Babineau <michael.babineau@sympatico.ca>
- 71) [140333] Re: Sidekick Builders Pad generation technique de K7QO [long]
by David Hinerman <WD8CIV@worldnet.att.net>
- 72) [140334] Re: Filters for Yaesu FT-747sx
by Chris Cartwright <ccart@phideaux.com>
- 73) [140335] Re: Filters for Yaesu FT-747sx
by Chris Cartwright <ccart@phideaux.com>
- 74) [140336] Re: Testing 1 2 3 Time:12:10 AM PST
by Jim Pruitt <PruittJ@cwu.EDU>
- 75) [140337] Re: Testing 1 2 3 Time:12:10 AM PST
by sjolin@swbell.net
- 76) [140338] Re: Z-Match and end-fed halfwave?
by "Bob Tellefsen" <n6wg@earthlink.net>
- 77) [140339] SideKick templates sent
by "Tony Parks" <robert.parks11@gte.net>
- 78) [140340] Fox - Winter Fox Hunt Teams Results.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 79) [140341] SS SSB W2EB
by W2EB <w2eb@twcny.rr.com>
- 80) [140342] Re: FS RM-20
by "John Small" <jdsmall@sigecom.net>
- 81) [140343] FOR SALE/TRADE: MFJ-16010
by NV9Z@aol.com
- 82) [140344] Re: Sidekick Builders Pad generation technique de K7QO [long]
- Addendum
- by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 83) [140345] Re: PIC processor question
by "Leon Heller" <leon_heller@hotmail.com>
- 84) [140346] Re: OT - PIC processor question
by "Mike Yetsko" <myetsko@insydesw.com>
- 85) [140347] SS SSB results
by Don Minkoff <cowchip@attbi.com>
- 86) [140348] Re: NiCad 'D' Cells \$3 at RS
by "Mike Yetsko" <myetsko@insydesw.com>
- 87) [140349] FOX:Final log NOUR
by "Jim NOUR" <n0ur@attbi.com>
- 88) [140350] Re:OT: Juno is (I think) blocking my messages
by "Jim Stamper" <jstamper@shentel.net>
- 89) [140351] MFJ Cub Circuit Help Please
by "Ed Kessler" <aa3sj@arrl.net>
- 90) [140352] Re:Re: Re:OT: Juno is (I think) blocking my messages

- by Lloyd Lachow <llachow@yahoo.com>
- 91) [140353] Re: link to sheet metal tools website
by Chris Cartwright <ccart@phideaux.com>
- 92) [140354] Re: Z-Match and end-fed halfwave?
by Lew Paceley <lew@paceley.com>
- 93) [140355] ARRL HANDBOOK (RF ATTENUATOR INFO)....es WEB PAGES...
by "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>
- 94) [140356] RE: OT: Juno is (I think) blocking my messages
by Mark Schoonover <schoon@amgt.com>
- 95) [140357] Re: ARRL HANDBOOK (RF ATTENUATOR INFO)....es WEB PAGES...
by "George, W5YR" <w5yr@att.net>
- 96) [140358] Sidekick and Island Cutter?
by "John McClain" <digi2@earthlink.net>
- 97) [140359] 73 origin
by "kw3u@warwick.net" <kw3u@warwick.net>

Date: Sat, 16 Nov 2002 16:19:38 -0800
From: Rhett Isley <risley@ipass.net>
To: qrp-l@lehigh.edu
Subject: [140263] FS Items: Shack Cleaning
Message-ID: <3DD6E09A.5060400@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

I have for sale the following items. Please contact me directly at risley@ipass.net for any additional information or to let me know if you are interested in a particular piece of equipment.

All equipment sold in complete sets unless someone can talk me into separating. All equipment is in 100% operating condition and clean in condition unless otherwise noted.

Group 1

Elecraft K2/100 S/N 0286 includes:
K2- 160-10 meter SSB/CW transceiver
KPA100- 100 Watt amplifier module
KSB2- SSB adapter
K160RX- 160 meter and 2nd antenna option
KNB2- Noise Blanker
KAF2- Audio Filter
MH2- Heil mobile microphone built especially for Elecraft, Color:Black
Complete manual set.

Not installed in the radio but built and ready to install at a moments notice is a top cover with KBT2- Batter Option and KAT2- Automatic Antenna Tuner.

This radio was originally a low power unit with the KPA100 added. All of this for less than the price of the unbuilt kit. Assembled, aligned, and fully operational with all of the current updates thru 1/1/2002.

Price \$1450.00 shipped

Group 2

Elecraft K2 S/N 02233 includes:
K2- 160-10 meter SSB/CW transceiver
KSB2- SSB adapter
K160RX- 160 meter and 2nd antenna option
KNB2- Noise Blanker
KAF2- Audio Filter
KAT2- Automatic Antenna Tuner
KBT2- 2.9AH Built-in Battery
KI02- RS-232 Interface
Complete manual set

All of this for less than the price of the unbuilt kit. Assembled, aligned, and fully operational with all of the current updates thru 1/1/2002.

Price \$1150.00 shipped

Group 3

Elecraft K1-4 (40, 30, 20, and 17 meters) S/N 628 includes:
K1-4- 5+ Watt CW Transceiver covering 40-17 meters
KFL1-2- (80meters/15meters),
KBT-1- Empty Battery Pack
KTS-1- Tilt Stand
KNB-1- Noise Blanker
KAT-1- Automatic Antenna Tuner
Manual

All of this for less than the price of the unbuilt kit. Assembled, aligned, and fully operational with all of the current updates thru 1/1/2002.

Price \$600.00 shipped

Group 4

SGC SG-2020ADSP 160-10 meter SSB/CW transceiver w/Adaptive DSP includes:
#05-02 SG-2020ADSP radio w/dynamic hand mic, manual
#53-21 PS-10 Matching power supply
#52-30 Military Handset
#52-83 Pelecan Waterproof Hardshell Case (Color:Yellow)
#52-82 Soft Case (Equiv. to Mountain Ops Cases)
Manual for both the SG-2020ADSP and PS-10 PS

This package is also known as the SG-2020 Paramilitary Package plus the addition of the matching power supply.

Price \$1600.00 shipped

Group 5

Kenwood TR-9130 2 Meter SSB/FM/CW 25 watt radio includes:
MC-46 Touchtone mic
BO-9A Base
SP-120 Speaker
Manual

Used in clean condition, few scratches or marks.

Price \$300.00 shipped

Thanks for reading!

72 de Rhett, KB4HG/7
Everett, WA
risley@ipass.net

Date: Sat, 16 Nov 2002 19:41:06 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [140264] 8N10GA 10 meters !!!!
Message-ID: <004201c28dd2\$043ab4c0\$a634342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Got him !!!! 28025 CW

At 2251 UTC Ten Tec Omni D , 5 watts to a Cushcraft AR-10 Ringo
vertical up 25 ft

73s

George Osier , N2JNZ / QRP

Date: Sat, 16 Nov 2002 19:28:02 -0600
From: "Ron Kolarik" <rkolarik@neb.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [140265] FS:Gap Titan DX
Message-ID: <01d101c28dd8\$93ce0500\$6401a8c0@inet>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gap Titan DX, 10-80m with spare cap for 80. It's setup
for the low end of 80 at present, 1 1/2 years old in
great shape, \$250. Pick-up or meet part way, I'm in
SE Nebraska.

Thanks
Ron K0IDT

Date: Sat, 16 Nov 2002 21:15:51 EST
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [140266] FS/FT: SW+40 KIT
Message-ID: <99.2fd338c5.2b0855d7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I broke up the package deal posted earlier and only have the following for
sale:

SW+40 (with case, RIT, FREQ-MITE).....shipped CONUS \$125 or consider
possible trade for LDG Z-11 tuner

Alan KB7MBI in Woodinville, WA
FISTS 5702 Proud member of ARRL

--- --- --- --- DIT DIT

Date: Sat, 16 Nov 2002 22:20:05 -0500
From: "Jason Hissong" <jhisson1@columbus.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [140267] About Morse...
Message-ID: <00c701c28de8\$3989b390\$6e01a8c0@procyon>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Not to beat a dead thread, but I have been reading a great book called the Humane Interface by Jef Raskins (KE6IGI) who is the father of the Macintosh Computer. He specializes in Cognitive Psychology as it pertains to computer interfaces. What does this have to do with morse code? He makes a point that the conscious mind can only handle one thing at a time. In order for humans to do multiple things at once, the task has to become automatic. Take reading for example, you are not sounding out each sound like you did when you first started reading. Now, when you read, you can scan whole words (and some of us whole pages). It is funny how once we start "thinking" about what we are doing, we start to mess up. Like typing, once I start thinking about typing, I give the backspace key a workout. But when I just type, I do well.

With morse code, it is the same. I notice when I practice copying in my head (on the way to work) that when I don't try, I get it no problem. Once I starting thinking about it, I screw up and letters fly by. So I need to keep practicing copying in my head until everything is automatic. However, I have stopped using the 10-15WPM cds and now I am just going with 17wpm or higher. I am not worried about getting the words, just getting the characters to be automatic. Once that happens, it will be easy.

Anyways... just an observation. (And if any of you are programmers and deal with interface design, Jef's book is a good one to read...)

72/73
Jason Hissong - N8XE
<http://www.qsl.net/n8xe>
FISTS #6338
QRP-ARCI #11347
FPQRP #443
QRP-L #2431
ARLHS #661

Date: Sat, 16 Nov 2002 22:24:40 -0500
From: Richard Powell <ripowell@mpna.com>
To: "'Jay'" <aj4ay@worldnet.att.net>, QRPL <qrp-1@Lehigh.EDU>,
Flying Pigs <fpqrp-1@mpna.com>,
Subject: [140268] RE: [fpqrp] Truffle Log
Message-ID: <01C28DBE.F5D9CEB0.ripowell@mpna.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

WOW

-----Original Message-----

From: Jay [SMTP:aj4ay@worldnet.att.net]
Sent: Friday, November 15, 2002 23:05
To: QRPL; Flying Pigs; n8ie@woh.rr.com
Subject: [fpqrp] Truffle Log

All,

Final correction - Done - finis and I hope to heck I didn't fat finger
anything this time.....

Thanks again for a FUN 30 minutes.

Jay
AJ4AY
Mobile, AL
QRPL 1372, ARCI 8131, FISTS 7917, FP -115, SOC 220

			MY RST			
0131	W5YR	559	TX	GEORGE	5W	
0132	K4GT	559	GA	JIM		5W
0133	AF4PS	599	FL	MAC	5W	
0133	N4BP	599	FL	BOB		5W
0134	AE4Y	579	GA	KENT	5W	
0135	N5ZE	559	TX	LEW		5W
0135	K5SR	559	TX	DALE		5W
0136	K5DW	559	TX	DON	5W	
0137	N5EBD	559	TX	KEN	5W	
0139	WA9TZE	579	WI	JIM		5W
0140	N1TP	579	FL	TOM		5W
0140	K4FB	599	FL	PAUL		5W
0141	K8CV	559	MI	WALT		5W
0142	N3XRV	559	PA	CHRIS		5W
0143	K3ESE	559	MD	LLOYD	5W	
0144	K5AIC	599	MS	HERB		5W

0145	K5JHP	559	TX	BILL	5W
0146	W5TB	559	TX	DOC	5W
0147	K4ADI	599	SC	FRANK	5W
0148	KG4LDY	559	VA	JIM	5W
0149	W5USJ	559	TX	CHUCK	5W
0150	AC5JH	559	OK	TOM	5W
0150	WE9K	599	WI	GLENN	5W
0151	KB9YIG	569	IN	TONY	500mw
0152	N3BJ	559	VA	ALAN	5W
0153	W0CH	559	MO	DAVE	5W
0155	K2PQ	559	NJ	FRANK	5W
0155	WR50	579	TX	DAVE	5W
0157	N1ZSW	559	MA	RON	5W
0159	AG0T	559	ND	TODD	4W

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.417 / Virus Database: 233 - Release Date: 11/8/2002

-To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-l -

Date: Sun, 17 Nov 2002 03:24:36 GMT

From: Kevin Anderson <k9iua@juno.com>

To: qrp-l@lehigh.edu

Subject: [140269] [CONTEST] Early SS report

Message-ID: <20021116.192532.10255.34193@webmail3.wlv.untld.com>

Taking a break from Sweepstakes for the night.

Today has been a day of frustration. My QRP signal just seems to die in the ether. Every QSO (of the 36 I've gotten today) has been a major effort and source of frustration. Not good, because I found myself yelling at the kids and my wife, and wanting to throw something.

Oh well. Unfortunately I won't be able to get back to it again until around 2000 UTC tomorrow, as I have church and my wife is the pastor.

Hopefully the bands will be better for tomorrow.

Cheers/73 from Iowa
Kevin, K9IUA, trying to be QRP in SS

* * * * *
Kevin Anderson, K9IUA, Dubuque IA
k9iua (at) juno (dot) com
* * * * *

Sign Up for Juno Platinum Internet Access Today
Only \$9.95 per month!
Visit www.juno.com

Date: Sat, 16 Nov 2002 19:41:20 -0800
From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [140270] Re: [CONTEST] Early SS report
Message-ID: <000601c28deb\$3505d1c0\$5c3ccd18@charterpipeline.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

First 4 and 1/2 hours, 102 Q's and 48 sections. CQ-ing is very slow ... in
one 12 minute period I only got two calls. So it has been mostly Search and
Pounce.

Come on in -- the propagation is fine!

I gotta find Kevin (or he's gotta find me) -- I need Iowa!

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Sat, 16 Nov 2002 22:47:09 EST
From: W0rw@aol.com
To: hfpack@yahoogroups.com, ppraanet@mailman.qth.net, qrp-1@lehigh.edu
Subject: [140271] NiCad 'D' Cells \$3 at RS
Message-ID: <117.1ad2bcb4.2b086b3d@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Oh bye the way,
The Radio Shack High Capacity (4 AH) NiCads (p/n 23-140 or 2300140)
are on close out for \$2.97 each...
(or you can buy them elsewhere for \$11.00 ea).
You can check your local RS stores inventory of these batteries by
going to the Radio Shack web site <http://www.radioshack.com>
and entering the p/n above.

de w0rw

Date: Sat, 16 Nov 2002 23:11:43 -0500
From: "Russ Hines" <wb8zcc@one.net>
To: <k9iua@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [140272] Re: [CONTEST] Early SS report
Message-ID: <052201c28def\$7027ec80\$4307c00a@wb8zcc1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Kevin, can we guess that you'll be the subject of a sermon tomorrow? ;-)

You know, something to think about when the contesting gets so tough that
you're yelling at family...

QR0. It's okay, you'll be forgiven.

73,
Russ Hines
WB8ZCC

----- Original Message -----
From: "Kevin Anderson" <k9iua@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, November 16, 2002 10:24 PM
Subject: [CONTEST] Early SS report

> Taking a break from Sweepstakes for the night.
>
> Today has been a day of frustration. My QRP signal

> just seems to die in the ether. Every QSO (of the 36 I've
> gotten today) has been a major effort and source of frustration.
> Not good, because I found myself yelling at the kids and
> my wife, and wanting to throw something.
>
> Oh well. Unfortunately I won't be able to get back to
> it again until around 2000 UTC tomorrow, as I have church
> and my wife is the pastor.
>
> Hopefully the bands will be better for tomorrow.
>
> Cheers/73 from Iowa
> Kevin, K9IUA, trying to be QRP in SS
>
>
>
> * * * * *
> Kevin Anderson, K9IUA, Dubuque IA
> k9iua (at) juno (dot) com
> * * * * *
>
>
>

> Sign Up for Juno Platinum Internet Access Today
> Only \$9.95 per month!
> Visit www.juno.com

Date: Sat, 16 Nov 2002 23:14:54 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [140273] Fox- K4FB Log v2.0
Message-ID: <3DD717BE.90A0FBB6@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This will be the final unless I get additional corrections.

73
Paul K4FB

02:01 K9DI 599 IL WAYNE 5W
02:02 K5FSE 599 GA JACK 5W
02:03 AC5JH 559 OK TOM 5W
02:04 K5PSH 559 TX JERRY 5W

02:05 K5ZTY 559 TX BILL 5W
02:06 N4ROA 559 VA DAN 5W
02:07 KK5LD 559 TX JIM 5W
02:07 K5AIC 559 MS HERB 5W
02:08 W5YR 559 TX GEORGE 5W
02:09 WS4S 559 TN CONRAD 5W
02:09 N3BJ 559 VA ALAN 5W
02:10 AJ4AY 559 AL JAY 5W
02:10 W5TB 559 TX DOC 5W
02:11 W9XU 559 WI RON 5W
02:12 K5TR 599 TX GEO 5W
02:13 K5JHP 599 TX BILL 5W
02:14 W0CH 559 MO DAVE 5W
02:14 N1FN 559 CO ET 5W
02:15 WA9TZE 559 WI JIM 5W
02:15 W0PWE 579 IA JERRY 5W
02:16 KB9YIG 569 IN TONY 500mw
02:17 K8HJ 559 MI JOHN 5W
02:18 K2Q0 579 NY MARK 5W
02:18 K3ESE 559 MD LLOYD 5W
02:19 K3IU 559 RI KEN 5W
02:20 VE6JAZ 559 AB ROB 5W
02:21 K0PC 559 MN PAT 5W
02:21 N0DSP 559 CO TOM 5W
02:22 NN5E 559 TX VERN 5W
02:22 W0RSP 579 SD ADE 4W
02:23 VE5RC 539 SK BRUCE 5W
02:24 VE6EX 559 AB DAN 5W
02:25 K3PH 559 PA BOB 5W
02:25 N5YFC 559 LA WAYNE 5W
02:26 K5DW 559 TX DON 5W
02:27 VA6RF 559 AB EARL 5W
02:28 K8CV 559 MI WALT 5W
02:29 AB5XQ 559 AR BILL 5W
02:29 K4ADI 579 SC FRANK 5W
02:30 W0UFO 559 MN MERT 5W
02:31 N3AO 559 PA CARTER 5W
02:32 K9UT 559 IN JERRY 5W
02:32 K9IUA 559 IA KEVIN 5W
02:33 K4QU 559 VA MIKE 10
02:34 N9WW 559 IL JIM 5W
02:34 N0TK 559 CO DAN 5W
02:35 VE4WI 559 MB CRAIG 5W
02:36 KC5ZZ 559 LA WALT 5W
02:37 N9IJ 559 IL LEN 5W
02:38 N5ZE 559 TX LEW 5W
02:39 KG4LDY 559 VA JIM 5W
02:40 W9HL 559 IL RANDY 5W

02:41 WR50 559 TX DAVE 5W
02:41 N8VAR 559 OH RON 5W
02:42 N8XE 599 OH JASON 5W
02:42 K5QK 559 LA DON 5W
02:43 KC2CK 559 NY DON 1W
02:44 K5SR 559 TX DALE 5W
02:45 N3XRV 559 PA CHRIS 5W
02:45 NK0E 559 CO DAVE 5W
02:46 WE9K 559 WI GLENN 5W
02:47 K40AH 559 GA GAREY 5W
02:48 K4TJD 559 GA TOM 5W
02:49 AG0T 559 ND TODD 4W
02:49 WV9N 559 OH RANDY 5W
02:50 KR0U 535 CO TIM 5W
02:51 W3SMK 559 NY STEVE 5W
02:52 N9AW 559 WI JERRY 5W
02:53 K9IS 559 WI STAN 2W
02:54 AF4LQ 559 KY MIKE 1W
02:55 K6VNX 559 CA ARLEN 5W
02:55 NU4N 599 KY DAVE 5W
02:57 K5DI 589 NM KARL 5W
02:58 W5USJ 559 TX CHUCK 5W
02:59 N2WW 559 CO LARRY 5W
02:59 W9XT 559 WI GARY 5W
03:00 NV4V 559 KY PETE 5W
03:00 K2TVY 579 NJ FRANK 5W
03:01 AA50 559 LA VERN 5W
03:01 KQ5U 559 TX TERRY 5W
03:02 AA7EQ 559 AZ BOB 5W
03:03 K2PQ 559 NJ FRANK 5W
03:04 KJ0C 559 MO JIM 5W
03:04 N0TU 559 CO STEVE 5W
03:05 W4YN 559 NC TIM 4W
03:06 AC7A 559 AZ TOM 5W
03:07 NQ7X 559 AZ FLOYD 5W
03:07 N0WX 579 MN MIKE 5W
03:08 W6ABC 559 PA JACK 5W
03:11 VA3RJ 559 ON DAVE 5W
03:12 K0EVZ 579 ND DOC 5W
03:13 N4BP 559 FL BOB 5W
03:14 K2ZN 559 NY AL 5W
03:15 VE5DC 559 SK JERRY 5W
03:15 AF4PS 559 FL MAC 5W
03:16 K1KID 559 MA CARL 4W
03:17 WD9F 559 IL WOODY 5W
03:18 KV2X 559 NY TOM 5W
03:19 W2AGN 559 NJ JOHN 5W
03:20 K7TQ 559 ID RANDY 5W

03:21 KG4FSN 559 FL JUAN 5W
03:22 W8YMO 559 OH HARRY 5W
03:23 N5EBD 559 TX KEN 5W
03:24 K9DC 559 IN DAVE 5W
03:26 K2TER 559 NY BILL 5W
03:27 KI0II 559 CO RON 1W
03:28 K6MMC 559 CA MIKE 5W
03:29 KG6CYN 559 CA TREVOR 5W
03:30 N5IB 559 LA JIM 5W
03:31 W2RBA 559 NY JOE 5W
03:32 N0RC 559 CO ROD 5W
03:33 WA8BXN 559 OH MIKE 5W
03:35 K5EOA 559 LA WAYNE 5W
03:36 AB9CA 559 AL DAVE 5W
03:36 KC1FB 559 CT JIM 500mw
03:39 VA3JFF 579 ON JEFF 5W
03:40 NK6A 559 CA DON 5W
03:40 W3KC 569 MD CHAS 5W
03:42 KB7WW 559 OR ART 5W
03:42 N0HRL 559 MN KEN 5W
03:44 N1TP 559 FL TOM 5W
03:44 NK9G 559 WI RICK 5W
03:47 WB9HFK 559 IL MARK 5W
03:48 W9UQB/7 559 AZ MIKE 5W
03:49 KD5CMN 559 TX MIKE 5W
03:50 WA7LW 559 NM JACK 5W
03:52 WW7Y 559 UT STEVE 5W
03:56 AL0A 559 ME GREG 5W
03:58 W5KDJ 559 TX WAYNE 1W
03:59 WU9F 559 WI TERRY 5W
N0UR 559 MN JIM
K4FB 559 FL PAUL

Date: Sat, 16 Nov 2002 20:22:40 -0800
From: "Kevin Philbin" <oz2dkp@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [140274] OT - PIC processor question
Message-ID: <F5w4pzSbwcTMMUiWqyv000154e2@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Dear wizards of the ether!

I am interested in leaning more about these ubiquitous processors.
Can anyone recommend some particularly good books or links?

Thanks,

D.K. Philbin KD6TK

Help STOP SPAM with the new MSN 8 and get 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Sat, 16 Nov 2002 22:43:52 -0600
From: "pschweit" <pschweit@mninter.net>
To: <k9iua@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [140275] Re: [CONTEST] Early SS report
Message-ID: <003601c28df3\$ef9b58e0\$57e7add1@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I myself got 15 today, it will be better tomorrow they will be listening for
the added contact.

like a mouse scurrying in a stampede of elephants.

de KA0PGQ ROB

----- Original Message -----

From: Kevin Anderson <k9iua@juno.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Saturday, November 16, 2002 9:24 PM
Subject: [CONTEST] Early SS report

> Taking a break from Sweepstakes for the night.

>

> Today has been a day of frustration. My QRP signal
> just seems to die in the ether. Every QSO (of the 36 I've
> gotten today) has been a major effort and source of frustration.
> Not good, because I found myself yelling at the kids and
> my wife, and wanting to throw something.

>
> Oh well. Unfortunately I won't be able to get back to
> it again until around 2000 UTC tomorrow, as I have church
> and my wife is the pastor.
>
> Hopefully the bands will be better for tomorrow.
>
> Cheers/73 from Iowa
> Kevin, K9IUA, trying to be QRP in SS
>
>
>
> * * * * *
> Kevin Anderson, K9IUA, Dubuque IA
> k9iua (at) juno (dot) com
> * * * * *
>
>
> -----
> Sign Up for Juno Platinum Internet Access Today
> Only \$9.95 per month!
> Visit www.juno.com
>

Date: Sat, 16 Nov 2002 21:04:29 -0800
From: "Ian Wilson" <ianmwilson@earthlink.net>
To: <oz2dkp@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [140276] Re: OT - PIC processor question
Message-ID: <001801c28df6\$cfaeb600\$0b02a8c0@trabucoserver>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Books: I like "Programming and Customizing PICmicro Microcontrollers" by
Myke Predko (perhaps because it includes a pcb :))
Links: www.piclist.com ; lots of other ham links that you can find via
Google.
Programmers: www.dontronics.com

Hope this helps,

--ian k3imw/6

----- Original Message -----

From: "Kevin Philbin" <oz2dkp@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, November 16, 2002 8:22 PM
Subject: OT - PIC processor question

>
> Dear wizards of the ether!
>
> I am interested in leaning more about these ubiquitous processors.
> Can anyone recommend some particularly good books or links?
>
> Thanks,
>
> D.K. Philbin KD6TK
>
>
>
>
>
> -----
> Help STOP SPAM with the new MSN 8 and get 2 months FREE*
> <http://join.msn.com/?page=features/junkmail>
>
>

Date: Sat, 16 Nov 2002 21:27:05 -0800
From: Russ Dow <n7dw@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [140277] FS: Tektronix 455 Oscilloscope
Message-ID: <3DD728A9.6060404@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Hi gang,

Tek 455 oscilloscope, 50 MHz dual trace, checked out and calibrated by
Stan Griffiths W7NI. Two new Tek 1X/10X, 60 MHz probes included.
Also a copied manual (~140 pages as I recall) in a 3 ring binder.

\$225 plus shipping from Seattle/Tacoma area.

73,

Russ N7DW

Date: Sat, 16 Nov 2002 07:42:40 +0000
From: Brian Short <bshort4@cox.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [140278] Re: OT - PIC processor question
Message-ID: <20021117092559.GRYL2200.fed1mtao04.cox.net@k7on-2000>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

You don't say much about your intentions?

Have you worked with other microcontrollers and
now wish to learn about the PIC specifically?

Or, are you just interested in learning about using
microcontrollers, in general?

I'm not exactly a wizard of ether, but I have worked
with PIC's (among other microcontrollers).

My first recommendation is the Microchip web site
where you can download manuals for all of their chips.
There are very low end processors and newer ones
with many more features.

I have worked specifically with the 16F84 which has
been used for several amateur radio projects in QST.
Among other things, I built a couple of the Morse
Decoders which display decoded CW on an LCD for
a friend.

I have also used the 16F84 for robotics projects and
personally prefer coding in C using the CCS compiler.

You are invited to see:
<http://www.k7on.com/electronics/pic/index.htm>

The series of Easy Pic'n books are a little expensive
considering...

You can build or buy a programmer and schematics
are plentiful on the web. Dontronics has some neat

stuff and there are US dealers for those products.

Depending on your intentions, you might want to check out the Atmel AVR microcontroller instead.

It just depends what you are trying to accomplish and your starting point.

Good Luck, Brian

>Dear wizards of the ether!

>

>I am interested in leaning more about these ubiquitous processors.

>Can anyone recommend some particularly good books or links?

>

>Thanks,

>

>D.K. Philbin KD6TK

--

See my web page: <http://www.k7on.com/>

Date: Sun, 17 Nov 2002 11:28:32 +0000

From: "Leon Heller" <leon_heller@hotmail.com>

To: oz2dkp@hotmail.com, qrp-1@Lehigh.EDU

Subject: [140279] Re: OT - PIC processor question

Message-ID: <F37qhGDnr7q7Wu1nQLy00010842@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

>From: "Kevin Philbin" <oz2dkp@hotmail.com>

>Reply-To: oz2dkp@hotmail.com

>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

>Subject: OT - PIC processor question

>Date: Sat, 16 Nov 2002 20:22:40 -0800

>

>

>Dear wizards of the ether!

>

>I am interested in leaning more about these ubiquitous processors.

>Can anyone recommend some particularly good books or links?

>

The PIC was designed 25 years ago, and there are much better devices around.

I'd start off with the Atmel AVR. It has a modern RISC architecture (the PIC isn't RISC, despite the marketing hype) and is *much* easier to learn and use.

I've got some info about the AVR on my web site.

Unfortunately, I am just about to start a project using a new PIC device. I'm quite sure the client has chosen the wrong uC (the TI MSP430 would be better and cheaper) but that's what they want me to use. 8-(

Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790

Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

MSN 8 helps eliminate e-mail viruses. Get 2 months FREE*.
<http://join.msn.com/?page=features/virus>

Date: Sun, 17 Nov 2002 12:31:35 +0000
From: Wayne Scace <k9di@earthlink.net>
To: "low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [140280] Prelim SS report:
Message-ID: <5.1.0.14.0.20021117123058.0a9e9008@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,

Wayne K9DI es Leader Dog Sequoia here. the following is a list of stations I worked on 40M early this morning using my K2 es the Gusher dipole on loan from Aron N1FF. later on I'm going to go borrow the club vertical antler:

Started 0800 GMT

0815 : 01 Q K9DI 92 IL : 881 U W4NF 75 VA
0820 : 02 Q K9DI 92 IL : 909 B N2MF 71 WNY
0825 : 03 Q K9DI 92 IL : 885 U KD4D 71 MDC
0828 : 04 Q K9DI 92 IL : 896 U W4MYA 58 VA
0840 : 05 Q K9DI 92 IL : 211 B K7VI 89 WWA
0855 : 06 Q K9DI 92 IL : 1078 B K6AM 62 Orange
0900 : 07 Q K9DI 92 IL : 573 B WW4LL 80 GA
0910 : 08 Q K9DI 92 IL : 731 B K4PV 65 NFL

Stopped 0910 GMT

73/72 es M00/00 ..
de
Wayne K9DI

Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net
LICQ# 315313
FPQRP-L# 217
<http://www.qsl.net/k9di>

Date: Sun, 17 Nov 2002 08:18:08 -0500
From: John Payne <paynej1@strato.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [140281] Re: OT: Goom bye sheetmetal shop...Hello Surface mt soldering school...THEN...
Message-ID: <IDICQ08V5YWQT008B896UT51XU3W3Z.3dd79710@john>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

HooHah!! Do Mine, do mine! Boy, those are tiny pads...and sooo close together!!! Any suggestions, anyone? The only idea I have so far is to tape the little bugger down, do a few pads with a tiny tip under magnification(with much sweat and fear) then remove the tape and finish.

73 de John N4FLJ

11/16/02 1:22:03 PM, "Bill, N4QA" <n4qa@hotmail.com> wrote:
<snip>
>Soon, I'll be able to march right into SMT operations and attach my AD9851
>DDS to Trev's new sig gen... All by myself!
>

"The real proof that there is intelligent life in outer space is that they haven't come here."

Date: Sun, 17 Nov 2002 07:30:52 -0600

From: "Gene Sailsbury" <gsailsbury@mobil1.net>
To: <qrp-1@Lehigh.EDU>
Subject: [140282] Manual for Century 22
Message-ID: <006f01c28e3d\$8d4761d0\$5bc03fd8@8tracker>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

I am need of a manual for the Ten Tec Century 22. I have check with all the online manual dealers and can not find it. Thanks.
Gene N MQ

Date: Sun, 17 Nov 2002 13:31:09 -0000
From: "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [140283] NEED YUPITERU URL....
Message-ID: <003b01c28e3d\$98194f60\$055bfea9@GM0NWI LAPTOP>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guy's....

Need to find the URL for the manufacturers of Yupiteru scanners.....

Is there indeed an actual company called Yupiteru...?? If so you'de think that they would have a URL.....

Or possibly they are just "badged" by someone else...if so who....?

Answers on a postcard to the e-mail address below.....OR better to the list....

72's & 73's de gm0nwiqrp@btopenworld.com "
Bada-Bing... Bada-Boom "
Andy
GM0NWI
" It is vain to do with more.... " A
Dis-Orientated Kiwi...."

what can be done with less...." In The Northern
Hemisphere...."

Date: Sun, 17 Nov 2002 08:36:56 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [140284] Re: OT - PIC processor question
Message-ID: <F138cpT788bsUZjEGua0000baf7@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

D.K. and group.

This site may help, though it concentrates on Microchip's products:
<http://www.microchip.com/1010/pline/picmicro/index.htm>

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

MSN 8 helps eliminate e-mail viruses. Get 2 months FREE*.
<http://join.msn.com/?page=features/virus>

Date: Sun, 17 Nov 2002 07:55:44 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'kc7eip@shaw.ca'" <kc7eip@shaw.ca>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [140285] RE: 2n2/40 Parts search
Message-ID: <01C28E0E.BC156400.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Don't know of any kits, but you should be able to get most of the parts
from Dans.

The board with printed layout came from the SQRPIons. Think I got mine at
Tuthill in 1999. Don't know if they still have them.

A good place to get these questions answered and get lots of help is on the
Yahoo 2n2-40 group. They are quite active and enthusiastic. I think

they're on to a newer Jim K. creation, but there's still plenty of 2N2/40 info.

<http://groups.yahoo.com/group/2n2-40/> may or may not take you to the group where you could join if you wish.

72--Nick, WA5BDU

I have decided to try my hand at constructing a 2n2/40... I have gathered up all the schematic parts list and mods that i can find. Now it's on to pricing and finding the parts... So i thought i would try hear first. Does anyone happen to have a complete set of parts they would be willing to part with for a fair price? I have also heard that there may be a main board that is printed but not etched or drilled if any one has one of those available I may have interest in it as well... Thanks in advance.

Kc7eip/Va7

Date: Sun, 17 Nov 2002 09:08:57 -0500
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [140286] Question on SS Rules
Message-ID: <3DD75CA9.32586.50FE9E4@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

I am seeing on the DX spotting boards a LOT of SS posts, spotting "rare" sections. If one makes use of these things, doesn't that place them in a different category than "Single Operator?" I know it does in the DX contests. I have been saving these things, as it will be interesting to compare with the results.

+---+---+---+---+ John L. Sielke
|W||2||A||G||N| <http://www.w2agn.net> [UPDATED]
+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

Date: Sun, 17 Nov 2002 08:28:16 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'gm0nwiqrp@btopenworld.com'" <gm0nwiqrp@btopenworld.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [140287] RE: RF POWER ATTENUATOR INFO....
Message-ID: <01C28E13.47B0FF20.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

There are lots of books and programs that assist in designing attenuators. Having the formulas is a good starting point. Then you can crank out values on your calculator or spreadsheet. Here's a link I just Googled up that gives them:

<http://www.electronics-tutorials.com/basics/attenuators.htm>

The only other factors are choosing between the T and PI circuit and wattage rating of the resistors. Tee or PI isn't a major consequence, except one may be preferred due to the available resistor sizes for a specific attenuation. For wattage rating ... in the step attenuators you see for small signal work, it doesn't matter much. But in your case with 5 watts in, that first resistor or two is naturally going to dissipate a significant proportion of the 5 watts when you choose a high attenuation value.

The next constraint you've put on yourself is to have it switchable. So you'll string a bunch of attenuators in a line with DPDT switches to select them IN or OUT, just like a typical step attenuator. Most people will build the attenuators with attenuation labeled in dB. But you could just as easily choose ordinary ratios like 2, 4, 5, 10, 50, 100 to allow a quicker mental calculation of power out. Those ratios in dB are 3.01, 6.02, 6.99, 10, 16.99, & 20 BTW. Since they're close (or dead on) to integers, most people just label in dB and remember the equivalent "actual" power ratios.

When you're buying the resistors that are larger than 1 watt, be darn sure you aren't getting a wire wound power resistor. It might be necessary to combine say, three two watt non-inductive resistors in parallel to get the 5 watt resistor you want.

Another thing is to remember that those attenuation formulas are only valid if your load is as specified (generally 50 ohms). So use your SWR meter to make sure you've got that feedpoint Z adjusted right first.

For power reductions from a high powered source, you might consider a coupler rather than an attenuator. There's a 20 dB coupler shown in Solid State Design for the Radio Amateur. It is a toroidal transformer with a

one turn winding for the primary and ten turns on the secondary. I don't have any power attenuators (yet), but I do have a 100 watt dummy load. So with the 20 dB coupler I can reduce 100 watts to 1 watt or 5 watts to 50 milliwatts.

Oh yeah, the power meter. I recommend the W7EL meter from the February 1990 QST. It has scales of 100 mW, 1 W and 10 W. Of course if you trust the attenuators to be accurate (and why wouldn't you?), just measure the power at the output of the TX and divide by the attenuation factor.

72--Nick, WA5BDU

On Saturday, November 16, 2002 10:33 AM, Andy GM0NWI
[SMTP:gm0nwiqrp@btopenworld.com] wrote:

> Guy's.....
>
>
> Does anyone know if they can help me with the correct resistor values,
and
> possibly a
> circuit for an "attenuator" on the "power out" side of things....
,
>
> For example, if I was running 5 watts and then switched in the
attenuator, I
> would hope that would give me a power out of 2.5 watts.....then if I
> switched it again it would hopefully give me
> in the range of say1.2 watts etc.....
>
> "Pretty Easy...." I hear you all say.....but I would like to do this
from
> ANY LEVEL of power out from the starting point of 5
watts.....down
> to the lowest power I could goin MICROWATTS.....
>
> Is there a design where I could build something into a box,with a
> power meter to let me know exactly what power I was "putting
> out".....WITHOUT having to take out the attenuator.....and then
> reconnect "in-line" a power meter.....then take THAT back out again....
>
> 72's & 73's de gm0nwiqrp@btopenworld.com
"
> Bada-Bing... Bada-Boom "
> Andy
> GM0NWI
> " It is vain to do with more.... " A
> Dis-Orientated Kiwi...."

>
> what can be done with less...." In The Northern
> Hemisphere...."
>
>

Date: Sun, 17 Nov 2002 09:23:47 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <oz2dkp@hotmail.com>
Subject: [140288] Re: OT - PIC processor question
Message-ID: <00c301c28e45\$cf4fdb40\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Kevin

The books that I have looked through haven't appeared to be all that good, not good enough to make me want to read them.

I would recommend simply diving in, and using projects from other hams as a starting place. You can buy a 16F84, the most popular model, for under \$7 from DigiKey, and a programmer can be built for less than \$15 (see my web site - NoPPP box). Everything else you need can be downloaded for free. You will want the data sheet and the programming card from MicroChip, in addition to their development software. You need a lot of stuff from their site so it could be a bit of a pain if you have a dial-up.

On the Midland Club Site (<http://www.qsl.net/w8kea>) I've posted some beginner info on PICs as well as a list of links to projects and sources.

Like the Nike ad ... "Just do it". Personally, I don't think any amount of studying will have the effect that making something happen on your own will, even if it's just blinking a few LEDs.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Kevin Philbin" <oz2dkp@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, November 16, 2002 11:22 PM

Subject: OT - PIC processor question

>
> Dear wizards of the ether!
>
> I am interested in leaning more about these ubiquitous processors.
> Can anyone recommend some particularly good books or links?
>
> Thanks,
>
> D.K. Philbin KD6TK
>
>
>
>
>

> Help STOP SPAM with the new MSN 8 and get 2 months FREE*
> <http://join.msn.com/?page=features/junkmail>
>

Date: Sun, 17 Nov 2002 08:31:07 -0600
From: "Gene Sailsbury" <gsailsbury@mobil1.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [140289] CENTURY 22 MANUAL FOUND
Message-ID: <009b01c28e45\$f83ab5c0\$5bc03fd8@8tracker>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Got the manual. Thanks
Gene N0MQ

Date: Sun, 17 Nov 2002 09:08:03 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
 Low Power Group <qrp-l@LeHigh.EDU>
Subject: [140290] Sweepstakes
Message-ID: <Pine.LNX.4.33.0211170851460.20081-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was going to have a great time running QRP, VE5QRP, in SS...so I jumped in a little late due to other things...but I was having a super time until I completed 30 contacts...then the program said bye, bye... I goofed configuring my N3FJP SS program so that's that...through an e-mail Scott straightened me out...so I thought I'd tune around looking for 3 states I need for WAS; MS, DE & HI...

...one thing I'm noticing is some stations that are using a pre-recorded voice exchange beginning with their category, have them going too fast for my brain...

...yeah, yeah I know, I'm stuck with what little I have up there ...hihihi.. anyway, I hardly get their number and category entered when their automatic voice exchange is done!...hihi...so I have to ask for the remaining info again which results in more time being taken to complete our full exchange...

...so if the stations using auto-voice for the exchange would record them just a bit slower then we'd make it with just one pass, assuming no qrm, etc...I guess it's like CW; it's all in the spacing...or maybe the reality of it is that it's just me... ;-))

...anyway, just an observation...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 17 Nov 2002 10:26:05 -0500
From: wkhibbert@juno.com
To: qrp-l@lehigh.edu
Subject: [140291] Club Station on QRP: K2BRK in WNY
Message-ID: <20021117.102605.-461017.0.wkhibbert@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I got a late start, but I am activating K2BRK, the club call for the Brockport Amateur Radio Klub here in WNY.

Running 40 - 10 Meters as there is too much ice on the back roof to get the 75M antenna up safely. A Kenwood TS-140 throttled back to 5 watts is handling the station.

I have heard two "Q" precedent stations so far, did not work either.

Look for K2BRK on 10 & 15 Meters until dark and then on 20 & 40 Meters into the evening.

73, Wm. Keith Hibbert, WB2VU0, TC/WNY ARRL Section
President, Brockport Amateur Radio Klub
"My night light runs more power than my Rig!!!"

Sign Up for Juno Platinum Internet Access Today
Only \$9.95 per month!
Visit www.juno.com

Date: Sun, 17 Nov 2002 09:36:35 -0600
From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Cc: oz2dkp@hotmail.com, Lew Paceley <lew@paceley.com>
Subject: [140292] Re: OT - PIC processor question
Message-ID: <002501c28e4f\$1d3701e0\$6501a8c0@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

Hi D.K.,

Here's a few links to get you started:

Free development tools (MPLAB) and tons of application notes and software. Microchip has hundred page manuals online describing the architecture and instruction sets of the various devices. I'd suggest looking at the 16F84 and 16F87X series to start. The 16F87X is a more contemporary product IMHO:
<http://www.microchip.com>

David Tate's PIC site - a thorough overview to what's available though some material is old:
<http://www.nexuscomputing.com/~picarchive/>

You can find an inexpensive programmer kit here. I've purchased a programmer from Amazon Electronics and can recommend their service. I highly recommend purchasing a 40pin "wide" ZIF if you get a programmer for the 40pin devices:
<http://www.electronics123.com/amazon/catalogue/c3-3-7.htm>

And finally, the PIC List:
<http://www.piclist.com/techref/piclist/index.htm>

GL es have fun!

72/73,
Lew
N5ZE

Date: Sun, 17 Nov 2002 09:30:47 -0600
From: "Tim, N9PUZ" <n9puz@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [140293] Re: OT - PIC processor question
Message-ID: <200211171630.KAA19082@zinc.eosinc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

On Sat, 16 Nov 2002 20:22:40 -0800, Kevin Philbin wrote:

>I am interested in leaning more about these ubiquitous=
processors.
>Can anyone recommend some particularly good books or links?

Square 1 publishes a series of books on programming the PIC=
microcontrollers. The first in the series is called "Easy=
PIC'n". Their URL is <http://www.sq-1.com>

There's also a book by Myke Predko that's good. I believe the=
name is Programming and Customizing PICmicro=AE Microcontrollers.=
His web site is <http://www.myke.com>

There is also a PIC reflector/mailling list. Check out=
<http://www.piclist.com> for details and more beginner=
information.

Tim, N9PUZ
<http://www.qs1.net/n9puz>

Date: Sun, 17 Nov 2002 08:37:36 -0800 (PST)
From: Curt <k3ivb@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [140294] WTB: JONES KEYS

Message-ID: <20021117163736.27451.qmail@web41115.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I will give \$\$ for your JONES KEYS, Paddles/Straight, good condition, bad condition, junk, mint anything that says JONES KEY on it I will buy. Would really like to find the solid brass model, but again, anything JONES will do.

Thanks...72

Curt/k3ivb

QRP-L #433

Do you Yahoo!?
Yahoo! Web Hosting - Let the expert host your site
<http://webhosting.yahoo.com>

Date: Sun, 17 Nov 2002 11:58:05 EST
From: IamSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [140295] Soldering info suggestions please
Message-ID: <85.241e0d12.2b09249d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,
I'm getting ready to put my Rock Mite kits together.
The soldering pen I have is a 15/25 watt type.
I have several rolls of solder.
All the rolls except one say 94% tin and 4% silver.
The other one is really super thin and is 62/36/2 (Silver-Bearing solder)
I'm assuming that this must be 62% tin, 36% lead and 2% silver.
What would be the best solder and watt setting for these very tiny parts?
Thanks and appreciate any info.
Bob
AF2Q
PS: The odd ball solder is only .015 diameter.

Date: Sun, 17 Nov 2002 12:33:54 -0500
From: "E. Roswell" <eroswell@monmouth.com>
To: qrp-1@Lehigh.EDU
Subject: [140296] Re: link to sheet metal tools website
Message-ID: <3DD7D302.12978E24@monmouth.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

<http://www.harborfreight.com>
and
<http://www.use-enco.com>

Date: Sun, 17 Nov 2002 13:23:34 -0500
From: Lenny Wintfeld <w2bvh@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [140297] QQ - Missing picture
Message-ID: <3DD7DEA6.7050308@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

Current issue of QQ: Looks like Fig 10 in "An HF In-line Return Loss
and Power Meter" is missing?

Lenny W2BVH

Date: Sun, 17 Nov 2002 12:45:06 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [140298] TDA1072 1-chip Rx Post-Mortem
Message-ID: <01C28E37.286A5D40.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In our last episode I had put the board into a Snickers tin and fixed the
AM BCI. Unfortunately, the SW BCI immunity can't be tested until
nightfall, when propagation from wherever the awful stuff comes from peaks
up. It was still pretty strong.

I built the thing a real BFO (crystal oscillator, fig 72 of SSDRA).

Coupled to the post-mixer (detector) input with a gimmick (short piece of wire) capacitor. Now I hear real CW. Changed the filter to 500 Hz.

Eventually measured the response--looks OK and peaks around 4.9158. My BFO is too high--needs to be about 600 Hz above the filter peak. Also, it changes by about 2 kHz if I hook a wire to the output. Tried adding more series capacitance--not much help. [QUIZ: What's wrong with my BFO? (It runs too high and I can't seem to lower the freq.) Answer below.]

Decided that careless wiring was allowing strong 7.45 MHz signals to be coupled directly to the detector. Moved the input circuit to the other side of the IC on a separate board. Ran coax from the antenna jack to it and from it to the IC. Didn't seem to help much.

Another couple of problems--moving the gimmick capacitor closer for increased injection reduces sensitivity. The AGC is supposed to be audio derived, but I'm not really sure if I believe the data sheet. For some reason, the stronger BFO injection seems to block the receiver. Also, the BFO oscillator is slow starting. I could fix that, but that SW BCI is a killer. Thinking about a notch filter on the front end, but I'll probably just put the thing aside for now. At night with propagation from EU (or wherever ... SA?), I can't listen to it. But in the daytime when I just hear that nice CW note, it's not that bad.

That's where it stands and probably ends. JF10ZL's homebrew web site gave us that great Japanese saying, "Failure is the mother of success." So I think it's time to lay this mother aside for a while. Think I'll try Steve Weber's curiously strong linear amplifier next.

72--Nick, WA5BDU

Oh yeah--almost forgot the Quiz. Why does my crystal BFO run high and I can't bring it down? The oscillator circuit I took from SSDRA is a parallel mode oscillator. Well, duh! They run higher than series mode oscillators. And to lower the frequency, I needed to add some C in parallel with the crystal, not in series.

Date: Sun, 17 Nov 2002 19:17:36 -0500
From: wp4jxd@isla.net
To: qrp-l@lehigh.edu
Subject: [140299] OT: RTO Electronics Repair
Message-ID: <3DD831A0.C0922689@isla.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Gang!

I've an old Heath SB-104A that needs some work. The oscillator, not sure which one, goes crazy on transmit especially on 10M. The frequency display keeps jumping all over the place on 10m transmit. On top of that the power out is at best 20W. I'm planing on sending it to RT0 for a complete restoration. Are there any RT0 customers wanting to share their experience?

Thanks,

Pablo

Date: Sun, 17 Nov 2002 18:17:34 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@LeHigh.EDU>
Subject: [140300] WAS QRP
Message-ID: <Pine.LNX.4.33.0211171815240.21260-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm looking for Delaware and Hawaii to complete my VE5QRP WAS please...picked up Mississippi during SS but haven't heard the other two at all...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Mon, 18 Nov 2002 01:38:09 +0000
From: Kevin L Anderson <k9iua@juno.com>
To: qrp-1@lehigh.edu
Subject: [140301] [CONTESTS] Follow-up SS Phone from K9IUA
Message-ID: <20021118.013827.10342.2.K9IUA@juno.com>

Last night I posted my frustration with Sweepstakes and my signal not getting out.

Today was a bit better, although not stellar. Ended up operating for 11 hours of clock time and netted 127 Qs and 62 sections. Still mostly a tough haul getting each Q. S&P only, as CQs netted nothing.

Band breakdown:

40M: 27 (22%)

20M: 39 (30 %)

15M: 27 (22 %)

10M: 34 (26%)

Antenna is just a single dipole - 55 ft of wire up only 20 ft, fed by 300ohm

TV twinlead, and tuned with an MFJ tuner. No doubt a better antenna would

have helped! (Someday...when I know longer have to live in temporary houses)

Computer logging using N3FJP software with a handmike.

Happy to get MAR, NL, PR, VI, AK, NLI among the sections, but missed PAC and NWT.

I was even told I was a "man's man" by working QRP on 40M. Huh, this guy doesn't work many desparate QRPers! Worked two QRP stations calling CQ and heard W6RCL once early on.

Still a fun contest, even if I do get frustrated. The log will get e-mailed to

the ARRL for scrubbing and reduction later. Cheers/73,

Kevin, K9IUA

Kevin Anderson, K9IUA, Dubuque, Iowa

K9IUA (at) juno (dot) com Opinions all my own.

Kevin Anderson, K9IUA, Dubuque, Iowa

K9IUA (at) juno (dot) com Opinions all my own.

Sign Up for Juno Platinum Internet Access Today

Only \$9.95 per month!

Visit www.juno.com

Date: Sun, 17 Nov 2002 17:42:46 -0800

From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [140302] test-disregard this message

Message-ID: <001401c28ea3\$cdf9aa60\$5c3ccd18@charterpipeline.net>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Sun, 17 Nov 2002 20:55:58 -0500 (EST)
From: <wa4chq@qsl.net>
To: <qrp-l@Lehigh.EDU>
Subject: [140303] solar controller
Message-ID: <Pine.LNX.4.30.0211172049130.1343-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Greetings All-

First off...many tnx for the help I have recieved from the group. Now I have another question. I built a solar controller from an article in QST (1990?) I don't remember, but I do know that it was in the ARRL handbook for 1986. Does anyone on the list know where I could get the schematic? I used the thing for a year or two and then built another one that had a few more features. I would like to built the controller for my gelcel charger. Tnx and replies direct are fb...

cheers

Neil wa4chq

--
Linux Rules the roost.
Ham Radio Rules the waves...<http://www.qsl.net/wa4chq>

Date: Sun, 17 Nov 2002 20:54:55 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "NJQRP" <njqrp@njqrp.org>,
". Eastern PA QRP Club" <EPA-QRP@yahoogroups.com>,
Subject: [140304] IOX project details for homebrewers
Message-ID: <007601c28ea5\$8838b140\$ccc13ad0@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all -

Those who have received the current issue of QRP Quarterly have seen some details of a new project from the NJQRP called the "IOX", which stands for I/O Expander. We now have the IOX web pages posted which present complete technical details, data sheet, eval board schematic, IOX source code, source code for an example host processor (a BASIC Stamp controller chip). See <http://www.njqrp.org/iox>

What is IOX? ... The I/O Expander is a 28-pin SX microcontroller that is programmed to operate as a slave I/O processor to a host controller in you homebrew projects. In a nutshell, the IOX chip is programmed as a "serial LCD" driver and it also controls some other common hardware devices that many of us use in our projects, like an A/D Converter, a digital pot and keypad. Further, the IOX chip has a "frequency counting" capability, providing the host processor with both raw count information and processed frequency values over selectable time gate periods. The IOX chip interfaces to the host processor using a standard asynchronous serial port operating at 2400 baud.

The value of using IOX is that it greatly reduces the pin count required on the host processor (e.g., a PIC) if it were to control all these devices itself. Thus, by using only two pins to talk to the IOX chip, the remaining I/O on the host PIC can be used for project-specific purposes like reading a shaft encoder, reading front panel switches, controlling a DDS chip, etc.

So, homebrewing digital stuff to serve us in QRP keeps getting easier and easier!

73, George N2APB
n2apb@amsat.org

PS: The IOX chip is used in the QuickieLab project, described in the current issue of QQ and in the current issue of QRP Homebrewer (QHB #9 was mailed to subscribers this past week).

PPS: Of course the NJQRP is selling a programmed IOX chip and data sheets to those homebrewers wishing to do some of these neat things.

Date: Sun, 17 Nov 2002 18:02:58 -0800

From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [140305] Update: Experimenter's DDS Signal Generator
Message-ID: <000701c28ea6\$9e7b6f00\$7133b3d1@etclink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

For those of you that have ordered the kit, a few of you have informed me that the Atmel serial eeprom is showing not available from Digi-Key. The part number has changed to: AT24C02-10PI-2.7-ND. This part is 100% compatible and will work just fine. It's also about co cents cheaper hi! The only difference is the minimum voltage that he part can run on. There are some timing diferences if you run the part at 2.7 volts, but that doesn't apply in this case. The online parts list has also been updated. Thanks for the bandwidth...

73's Trev KG6CYN
<http://home.earthlink.net/~kg6cyn>
<http://www.qsl.net/kg6cyn>

Date: Sun, 17 Nov 2002 18:21:15 -0800
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [140306] Sidekick Builders Pad generation technique de K7Q0 [long]
Message-ID: <5.1.1.6.0.20021117173604.01ac1aa8@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I was working on an article on how to use the shear to make pads. I still can't grasp the operation of the ADEL nibbler to get nice clean pads. One of the things that I found with my ADEL was that the cut was at an angle to the edge of the board, thus generating pads that were not exactly rectangular. I don't remember Jim Kortge, K8IQY, saying anything about this problem and it just may be that mine has a mfg'ng defect.

Then I got to thinking that probably less than 1% of this group even owns or has access to a shear. So why write something that isn't going to be used.

OK. Put on the thinking cap and get out the toys.

ADEL nibbler and R/S nibbler weren't working for me.

The paper cutter works but takes too much time and the blades won't last long cutting copper and fiberglass. Also another item that many may not have and it is more expensive than the item below.

Now this is for all you Sidekick builders that haven't started yet and are trying to figure out how to make neat pads. You can call me obsessive compulsive but if I am going to invest my time and money in a project, why not do it the best that I can? I want pretty pictures just like Jim Kortge and the rest of the builders too. And I have not seen a single posting on the pads that come from Montana from Small Parts.

Hey, I've got the WISS hand held metal cutters that we all can get or have gotten from Home Depot. Model Number M-300 for metal cutters. LISTEN UP: there are three models for these metal cutters and they cut right handed curves, left handed curves, or straight. The Model M-300 is for straight cuts and has orange handles. The others have something like green and maybe blue or red handles. Just read the numbers and pay attention. I'd hate to have you make two trips to Home Depot. And I think the price was under \$20, but don't quote me on that.....

Hold the cutters in your right hand (those of you that are left handed invert the instructions and you are by now used to this). The blade that is on top is on your right. If you turn the cutters over you'll find the same is true so don't worry about which way is which as they are both the same. :-) Symmetry rules.

In the sidekick you are given some sheared strips of circuit board material for making pads. These instructions are for the smaller pads.

Take the strip of PC board material and insert it between the blades from the left. The blades are apart the maximum angle you can get but this isn't too critical. Align the sight of your right eye along the right hand edge of the top blade. Insert the PC strip until it just appears along the edge. At this point I get about 4mm of the strip past the bottom blade edge. If you cut at this point you will have one pad that is 4mm long. Push the PC strip until the edge

appears again. SNIP. Another pad also the same length, 4mm. Do this until you run out of PC board for the small pads or until you think you have enough to get started. I'd probably err on the safe side and follow the instructions for gluing down the pads for about 20 or so until you get the hang of what you are doing.

One side effect. The shears/metal cutting tool has serrated edges and you'll see a couple of these marks in the copper foil of the pad but when you tin it these will be hidden.

Also try to keep the PC strip at right angles to the edge of the blade so that the cut is at 90 degrees to other edge of the pad.

What I do in making pads, either rectangular now or the circular pads using the metal punch, is to save them in a pill bottle, one for each type. What this does is keep me from dropping them and scattering them all over the place if they are loose on the top of the desk. And I make up a bunch at one time to save time and effort and have some later for when I need them again. By the way you can buy pill bottles by the 100 per box at your Drug Store most likely. I got mine at Osco's. Around \$0.20 per bottle with cap (easy remove).

That is all there is to it.

For the longer pads just measure and mark the strip of PC material and cut at the places you mark. Do this if you think 4mm is not going to be long enough for you for the regular pad size.

After I got back from Pacificon I started on the Sidekick and had it done in a week, but part of that time was working on the shear for making pads. Wasted time now but I learned and enjoyed it.

I also did the extra step below and am working on a program to show the layout for those that might be interested. The program will take a few days to complete I think as I have the functions written at this time I just have to do the routing scheme....

The board for building the Sidekick on didn't prove to be exactly rectangular, so I cut a larger board. The purpose was to go ahead and build the receiver as shown in the instructions but also have room on the board for the transmitter. The entire schematic comes with the kit and if you have board material and have a good supply of parts you might want to consider doing the transmitter also. The combo is unbeatable. And the basic question that I always ask is why do I want to have a receiver that covers about 40KHz of the band and use it with a transmitter that is limited to a KHz or so if it can be moved in frequency? I want to go where the stations are and I can't get their attention if I'm more

than 5KHz away in transmit frequency.....

I'll have pics of the completed project later this week as I have to have the entire layout ready for the web or I'll be beat up on like large drum. :-)

If we get an announcement on the new band between 80 and 40m, then I can rapidly convert this little puppy to the new band and be there during the first hour of its opening. It's going to be interesting I'm sure. And please, will the Pres of ARCI and FISTS and the RTTY and digital people get together on the calling frequencies. Please. :-)
Let's get organized early.

FYI es enjoy and I hope this helps at least one builder,

Chuck Adams, K7QO

<http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>

Moving to Arizona? ---- Please bring your own water.

Date: Sun, 17 Nov 2002 20:04:20 -0600
From: Mark Fields <mark_ke5my@juno.com>
To: qrp-l@lehigh.edu
Subject: [140307] I'm not getting any messages...
Message-ID: <20021117.204100.-245989.0.mark_ke5my@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

...and I'm wondering if Juno is blocking my e-mail as they did many months ago. Or is it that there just isn't much qrp-l activity today? The very few messages I *have* been getting were from another (and smaller) reflector.

I fear that I'm going to have to complain to Juno again--and they've made it harder than ever to reach their customer service department.

73, Mark, KE5MY

Sign Up for Juno Platinum Internet Access Today
Only \$9.95 per month!
Visit www.juno.com

Date: Sun, 17 Nov 2002 22:22:00 -0500
From: David Beach <dbeach@blvl.igs.net>
To: <qrp-l@lehigh.edu>
Subject: [140308] Re: OT - PIC processor question
Message-ID: <B9FDC707.332B%dbeach@blvl.igs.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

QST has had some good articles over the last few years (although I have forgotten the issues, look up John Hansen in the index searching feature they have on the ARRL Website - he has done several good ones.)

Another book for beginners is 'Easy PIC'n' by Dave Benson (I am certain he is not our favourite Dave Benson of Small Wonder Labs - though I have never asked!). Benson also does more PIC books but I have not read them. A good source for the books, chips, a good PIC programmer and a bunch of other goodies is Prof Peter H Anderson, KZ3K, at www.phanderson.com and his Amazon shop at:

<http://s1.amazon.com/exec/varzea/ts/my-zshop/S1M001JSKHH3LC/002-8703539-6621657>

(if that long URL works...)

Anyway, the usual disclaimers apply. I have had good dealings with him and he has always been courteous, prompt and 'as advertised.'

Hope this helps.

David Beach
VE3STI

Date: Mon, 18 Nov 2002 03:26:39 +0000
From: Wayne Scace <k9di@earthlink.net>
To: "low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [140309] K9DI SS report
Message-ID: <5.1.0.14.0.20021118032621.03574bc8@IMAP.wiu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,

Wayne K9DI es Sequoia here. I got 50 Q's in the SS, only question now is how 'n blazes do I score this?.

Started 0800 GMT 40M

0815 : 01 : 881 U W4NF 75 VA
0820 : 02 : 909 B N2MF 71 WNY
0825 : 03 : 885 U KD4D 71 MDC
0828 : 04 : 896 U W4MYA 58 VA
0840 : 05 : 211 B K7VI 89 WWA
0855 : 06 : 1078 B K6AM 62 ORG
0900 : 07 : 573 B WW4LL 80 GA
0910 : 08 : 731 B K4PV 65 NFL

Stopped 0910 GMT

Started agn : 2130 15 M

2130 : 09 : 588 A WG7Y 51 WY
2135 : 10 : 794 B K6RB 58 SCV
2138 : 11 : 949 A VE7IN 61 BC
2140 : 12 : 1652 B K6LA 65 LAX
2150 : 13 : 1048 B AJ6V 59 SCV
2152 : 14 : 1685 B N6BV 59 EB
2156 : 15 : 1359 B N4BP 55 SFL
2158 : 16 : 1512 U N6TV 72 SCV
2205 : 17 : 732 U W6TK 57 SB
2210 : 18 : 837 B W6CUS 56 EB
2215 : 19 : 1420 B W7WW 92 AZ
2225 : 20 : 2542B WP3R 65 PR
2230 : 21 : 1582 A VA7RR 73 BC
2235 : 22 : 1221 B K0TO 52 ID
2238 : 23 : 1438B WA7LT 48 EWA
2240 : 24 : 529 B KI6IV 63 SV
2245 : 25 : 1060 U W7TTT 59 NV
2247 : 26 : 1277 B N7LOX 69 WWA
2250 : 27 : 523 U K6ST 73 SV

10M

0005 : 28 : 1344 U KL1V 76 AL
0010 : 29 : 135 B K06LU 64 SCV
0015 : 30 : 1060 M KA6BIM 78 SJV
0020 : 31 : 1098 A N6NF 52 SCV
0025 : 32 : 674 A KA6MAL 00 SCV

0120 20M

0125 : 33 : 1498 U N2WW 62 CO
0126 : 34 : 1633 B W5KFT 53 STX
0129 : 35 : 1828 M W6YX 24 SCV
0150 : 36 : 1281 U NA5S 67 NM
0155 : 37 : 2060 B K4XS 62 WCFL
0200 : 38 : 1877 B VE6JY 85 AB
0205 : 39 : 125 A NM6ENM 86 SF
0210 : 40 : 881 B WA7ND 76 OR
0212 : 41 : 1654 U K7OX 53 EWA

0215 : 42 : 1460 M VE6AO 76 AB
0222 : 43 : 1202 B W6NK 65 SB
0225 40M
0228 : 44 : 1366 M K0GQ 98 MO
0230 : 45 : 594 A K3TA 75 UT
0235 : 46 : 1068 A K7RE 61 SD
0237 : 47 : 1530 B K5ZO 76 NTX
0240 : 48 : 578 A WR4F 80 KY
0243 : 49 : 1610 M N8KR 78 MI
0255 : 50 : 14 A KB4GT 78 NFL

Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net
LICQ# 315313
FPQRP-L# 217
<http://www.qsl.net/k9di>

Date: Sun, 17 Nov 2002 22:27:14 -0600
From: Mark Fields <mark_ke5my@juno.com>
To: qrp-l@lehigh.edu
Cc: hqrp@stevens.com, fpqrp-l@mpna.com
Subject: [140310] OT:Which ISP do you recommend?
Message-ID: <20021117.222746.-245989.3.mark_ke5my@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, everyone:

After some two years as a user of Juno's free service, I have just about had it with them. They almost never give me access to the Internet, and when they do, I am usually disconnected after about ten minutes (sometimes less). Lately, I have had problems getting my e-mail (I haven't gotten anything at all from qrp-l in the last day or so). To top it all off, there is almost NO personal help when I have a technical problem, and Juno has recently made changes to their "Contact Juno Wizard" that make it all but impossible to contact them (unless you're a paying customer).

So I'd like to ask: Who would you recommend for an ISP? I'd really prefer to get a free account with someone else. However, if I *must* set up a paying account with someone, I'd like to find someone that is *really cheap* (I'm on a fixed income). Who's good, and who should be avoided (and why)?

Please reply direct, since Juno is (apparently) blocking many of my messages from the reflectors. Thanks in advance.

73, Mark, KE5MY

Sign Up for Juno Platinum Internet Access Today
Only \$9.95 per month!
Visit www.juno.com

Date: Sun, 17 Nov 2002 22:34:43 -0600
From: Ted Kell <tedkell@ev1.net>
To: qrp-1@lehigh.edu, Mark Fields <mark_ke5my@juno.com>
Cc: hqrp@stevens.com, fpqrp-1@mpna.com
Subject: [140311] Re: [HQRP] OT:Which ISP do you recommend?
Message-ID: <GCWR1T6353HFEID2IH76SRICRLGCLK.3dd86de3@default>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am using Every one's Internet (www.ev1.net) and have been very happy. It costs about \$10 a month. I have had NO problems that were due to them since I have been with them, maybe two years. I am a very happy satisfied customer.

N3Ted

11/17/02 10:27:14 PM, Mark Fields <mark_ke5my@juno.com> wrote:

>Hi, everyone:
> After some two years as a user of Juno's free
>service, I have just about had it with them. They
>almost never give me access to the Internet, and
>when they do, I am usually disconnected after about
>ten minutes (sometimes less). Lately, I have had
>problems getting my e-mail (I haven't gotten any-
>thing at all from qrp-1 in the last day or so). To
>top it all off, there is almost NO personal help
>when I have a technical problem, and Juno has re-

>cently made changes it their "Contact Juno Wizard"
>that make it all but impossible to contact them
>(unless you're a paying customer).
> So I'd like to ask: Who would you recommend for
>an ISP? I'd really prefer to get a free account with
>someone else. However, if I *must* set up a paying
>account with someone, I'd like to find someone that
>is *really cheap* (I'm on a fixed income). Who's
>good, and who should be avoided (and why)?
> Please reply direct, since Juno is (apparently)
>blocking many of my messages from the reflectors.
>Thanks in advance.

73, Mark, KE5MY

>-----
>Sign Up for Juno Platinum Internet Access Today
>Only \$9.95 per month!
>Visit www.juno.com

>-----
>HQRp mailing list
>HQRp@stevens.com
><http://www.stevens.com/mailman/listinfo/hqrp>

Date: Mon, 18 Nov 2002 00:20:42 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: ". Eastern PA QRP Club" <EPA-QRP@yahoogroups.com>,
"QRP-L" <qrp-l@lehigh.edu>, "NJQRP" <njqrp@njqrp.org>,
Subject: [140312] QRP Homebrewer #9 hits the street
Message-ID: <001f01c28ec4\$13c5f5b0\$31c03ad0@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi folks -

Issue 9 of QRP Homebrewer was placed into the mail on Friday of this past week. Subscribers will be getting their copies in the mailbox any day.

It's a great issue again this time! I may be a little biased, but take a look at the contents of this issue and see if you don't agree.

BTW, if you're not a subscriber, we still have some extra copies of this issue and you could get it by starting a new subscription or by ordering a sample. See http://www.njqrp.org/data/qrp_homebrewer.html for all the details.

Thanks & 73,

-- George N2APB n2apb@amsat.org
editor & publisher, QRP Homebrewer magazine

QRP HOMEBREWER #9
C O N T E N T S

Precision Variable Crystal Oscillator

by Jim Kortge, K8IQY

The Precision Variable Crystal Oscillator provides a precise and stable frequency source for crystal parameter analysis, and also serves as an instrument for accurately sorting crystals for use as filter elements. Further, it may be used in any application where a stable frequency source is needed, and for which a crystal is available on or near the required frequency. Suggested uses include a receiver alignment source, DC receiver local oscillator, or the first stage of a QRP transmitter. Read about further use of the PVX0 in the Crystal Measurement Fixture companion article.

Tools and Methods for Measuring Crystal Parameters

by Jim Kortge, K8IQY

Here's an excellent primer in crystal parameters that also describes an approach for measuring crystal parameters using the Precision Crystal Oscillator (PVX0) described in the previous article. K8IQY extends the usefulness of his PVX0 by designing a "crystal test fixture" that can be easily built Manhattan-style. With careful use, the crystal parameter values derived from this test setup are comparable in accuracy to those measured with instruments costing thousands of dollars. The same instruments and setup can also be used for measuring crystals for use in multi-pole filters.

Build an RF Probe in 10 Minutes

by Phil DeCaire, WB7AEI

An RF probe is a simple design-- but using it without understanding its operation and proper use can lead to measurements far astray from reality. WB7AEI presents a two-part article to help us through the subtleties. Part 1 details how to build an RF probe, and Part 2 discusses the readings, what they mean, and accuracy and limitations of the device.

Simple and Fun Antennas for Hams -- A Review

by Fred Bonavita, K5QLF

A regular contributor and good friend of QHB, Fred overviews a recent ARRL publication that "antenna homebrewers" should find really interesting.

The QuickieLab

A QRP'er's Experimenting Platform

by George Heron, N2APB

We recently introduced the QuickieLab project at an NJQRP meeting, and overviews its design and operation in a recent issue of QRP Quarterly. We'd now like to bring it to the readers of QHB and further enhance its value by detailing one of the "Joe's Quickies" adventures for which this project was intended. So we'll first overview the QuickieLab platform itself in this article, and in the following article N2CX will describe the Audio Visual Voltmeter he whipped up to run on the QuickieLab.

Build the "AVV" Audio Visual Voltmeter

by Joe Everhart, N2CX

Here's an application note that describes an interesting way to configure and program the QuickieLab computing platform described in the previous article. N2CX whipped up an Audio Visual Voltmeter, using the QuickieLab software and hardware interfaces, that proves to be a useful tool to have in the shack!

Electronic Variac

by Dave Ottenberg, WA2DJN

For some time I have been using a Dremel tool with some dental bits to make small pads and to scribe lines on printed circuit boards when making Manhattan-style homebrew projects. However I encountered a problem in that the Dremel tool runs too fast for optimum use with the dental bits and I needed to slow down the drill's rpm.

I found this circuit for an electronic variac in an article by James Riff, K9JSC in an old 73 magazine and thought QHB readers could share in my success.

Low Pass Filters for QRP Transmitters

by Phil DeCaire, WB7AEI

Sometimes the simplest circuits turn out to be the most complex in behavior. That certainly applies to the common "low pass filter" used at the output of most QRP transmitters. Maybe you've built a rig that didn't perform the way you thought it should. I've put together many breadboards that didn't give the output power I thought they should, and so I've spent a little time figuring out why. What I've found is that the filter, which is often something that gets slapped on at the end of the design/construction, plays

a very key role in how well it works.

Herring Aid 7

Mods to a Great Little DC Receiver

by Bob Johansen, WB2SRF

This article is based on the original design of the "Herring Aid 5" by Jay Rusgrove, WA1LNQ in the July 1976 QST with improvements made by Glen Torr, VK1FB and Doug Hendricks, KI6DS. I made some further improvements and I thought that it would be appropriate to name my version of this receiver "Herring Aid 7"

Build a Current Probe in 10 Minutes

by Phil DeCaire, WB7AEI

Now that you've built the "10-minute" RF Probe presented earlier in this issue, WB7AEI describes how you can whip up a Current Probe in another 10 minutes!

A Tale of Two Antennas (PAC-12 & the Improv)

by Joe Everhart, N2CX

"It was the best of times, it was the worst of times!" ... With apologies to Charles Dickens, N2CX goes on to describe how he deals with those long, cold, lonely nights while away on business trips and being penned up in a hotel room.

Analyzing the FM Receiver IC for Homebrew Use

by Harold Smith, KE6TI

KE6TI submits for us a fascinating analysis of the common FM receiver integrated circuit. Typically seen from different vendors as ULN2111, CA2111, MC1357 or SN76653, this common circuit has great potential in the QRP homebrewing scene.

A Primitive Antenna Analyzer

by Doug Wilson, WA0VSL

WA0VSL was so enthused by one of the in-progress projects he saw on the NJQRP web pages that he decided to get a head start ... and a fine start it is! Check out his schematic and photos on the centerfold insert to this issue.

ANNOUNCING: Atlanticon 2003

Atlanticon is being held on March 28-29, 2003 - the same weekend as the Greater Baltimore Hamboree and Computerfest, which is quite possibly the most popular hamfest in the mid-Atlantic region. Come hear a full day of

fabulous presentations on QRP from noted authors & experimenters, and spend two exciting evenings of radio fun & friends.

INTRODUCING ... NJQRP Website-on-CDROM
by the NJQRP Club

The NJQRP website is probably one of the best QRP sites around for the posting of projects, reference material, kit manuals, project software listings, useful homebrew and QRP-related Internet links, and photos of the many QRP events occurring on the eastern seaboard of the US. We've been posting this kind of material for the past five years, but of course it all can't be online all the time ... so here's a chance to get a collector's edition CD-ROM containing every graphic, photo, project, link, etc. ever placed onto this active website. This offer is available only for a limited time, and a limited number of CDRoms will be burned ... order yours in time for the holidays!

INTRODUCING QHB Annual Reprints
by the QHB Management

When stock of the "extra" copies of a given issue of QHB are gone, they're gone. We haven't been able to reprint extra copies of the famous articles on Manhattan-style homebrewing techniques, brand-new projects and captivating analytical presentations done by the many QHB authors over the 8 issues we have under our belt now. Many QRPers have been asking for reprint collections of past issues ... and we're pleased to announce that they are ready and available! For a limited time you can order a spiral bound collection of QHB issues 1-4, and another for issues 5-8. Both of these 4-issue bound collections offer complete reprints of the original articles, graphics and photos.

Date: Mon, 18 Nov 2002 05:58:03 GMT
From: hamjoel@juno.com
To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU
Subject: [140313] Sneaux and antennas
Message-ID: <20021117.215814.10255.41538@webmail3.wlv.unttd.com>

It done it again this year,,, it done sneauxed... threatened ice too... not a good combination for any antenna,,, so tell u what ah done.

ah puts a little sail in the middle of the coax downfall what causes the wind to shake the antenna and break the sneaux and ice loose...

iffin that don't work ah throws my trusty rod and reel over the wires and tie the strings to a bucket filled with a little sand soes it dances in the wind and shakes the elements sensless.... knocking off the ice and sneaux...

got to adapt up heah in maine u kneaux ... it was no problem keeping the
gators and snakes off the antenna but this sneaux and ice stuffs.... man life's
hard....

ke1la joel
in maien
mainely freezin

KE1LA JOEL
IN MAINE
FREEZIN

Sign Up for Juno Platinum Internet Access Today
Only \$9.95 per month!
Visit www.juno.com

Date: Mon, 18 Nov 2002 00:38:57 -0600
From: "Jay Bromley" <w5jay@alltel.net>
To: <qrp-l@Lehigh.EDU>
Subject: [140314] SideKick
Message-ID: <011101c28ecd\$2c737840\$099b66a6@jay>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang,
Just a quick update. I have the missing capacitors and I am in the process
of updating the kits. I had 30 to unpack and reload with the missing
capacitor. I have these kits ready to go out in tomorrow's mail. I want to
thank everyone being so patient on the week delay. I will catch up on all
orders I have in the mail by the end of the week.

We are nearly through with the second run. Yes it is OK to order more than
one :-). Great stocking stuffers! See the Side Kick at:
<http://www.cox-internet.com/w5jay/kits/kits.htm>

Many thanks and 73 de jay..

P.S. Thank Doug!!

Date: Sun, 17 Nov 2002 22:46:26 -0800 (PST)
From: Ji m <ku4qw@yahoo.com>
To: qrp-L <qrp-l@Lehigh.EDU>
Subject: [140315] Filters for Yaesu FT-747sx
Message-ID: <20021118064626.97418.qmail@web13902.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello All,

I have the qrp version of the FT-747, the sx 10 watt model..It doesn't have the filters in it. I wonder if someone can tell me the model number of the cw filter in it, and there is a place for another filter, I would think that is AM? I know it can take a TCXO-747 and FM-747 but have no clue of the filter part numbers.

I did e-mail yaesu parts dept on this twice and no reply. Also I've searched google high and low and can't come up with it, tried inrad seems they didn't make one for the 747, so would like to find a 500Hz cw filter for this rig.

=====

72 es CUL Jim, KU4QW
KU4QW@yahoo.com Advanced Class Hold Out.

Do you Yahoo!?
Yahoo! Web Hosting - Let the expert host your site
<http://webhosting.yahoo.com>

Date: Sun, 17 Nov 2002 23:17:14 -0800
From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [140316] SS SSB W6RCL Single Op QRP
Message-ID: <000601c28ed2\$87e05ea0\$5c3ccd18@charterpipeline.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I worked one-third-more stations in about the same amount of operating time as I did during the ARRL 2002 SS CW contest 2-weeks ago. The score was a lot better this time, too!


```

>
>
> Call: W6RCL
> Operator(s): W6RCL
> Station: W6RCL
>
> Class: Single Op QRP
> QTH: LAX
> Operating Time (hrs): 11:30
>
> Summary:
> Band  QSOs
> -----
> 160:
> 80:
> 40:    2
> 20:   41
> 15:  115
> 10:  106
> -----
> Total: 264 Sections = 66 Total Score = 34,848
>
> Club:
>
> Comments:
>
> STATION: FT-817 running 5W to a Force 12 C4SXL at 45 feet. TR-log
software.
>
> The common sections that I did not work: AZ, GA, NV, UT, NM plus all of
the
> California Sections except for LAX and SF!!!!!! I didn't have a chance to
retune
> my 80M vertical from the SS CW contest to the phone bands so I didn't work
80,
> and Murphy caused some kind of a problem to the 40M Yagi tuning so it no
longer
> resonates in the 40M-phone band. Without the lower bands I was left with
> 20-15-10. I heard all of the nearby states and CA sections on 10M
scatter, but
> signal strength was down --- they were B-precedent stations running S6-S7,
so
> the path loss was significant and my 5W signal wasn't enough for them to

```

hear
> me.
>
> It was a frustratingly, fun time --- but then what QRP contest effort
isn't?
>
> 72/73 de alan
>
>
> Posted using 3830 Score Submittal Forms at:
<http://www.hornucopia.com/3830score/>

Date: Mon, 18 Nov 2002 00:10:52 -0800
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [140317] Testing 1 2 3 Time:12:10 AM PST
Message-ID: <000901c28eda\$03a5d6d0\$7133b3d1@etclink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Haven't been seeing a lot of post (including mine) to QRP-L so thought I'd
run a test. I'm posting this at 12:10 AM PST. Let's see when it shows up...

73's Trev KG6CYN
<http://home.earthlink.net/~kg6cyn>
<http://www.qsl.net/kg6cyn>

Date: Mon, 18 Nov 2002 04:01:30 -0600
From: Mark Fields <mark_ke5my@juno.com>
To: qrp-l@lehigh.edu
Subject: [140318] OT: Juno is (I think) blocking my messages
Message-ID: <20021118.041035.-128757.0.mark_ke5my@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This message is for qrp-l subscribers who use
Juno to download their e-mail.
I have not receiving my qrp-l e-mail for about a

day and a half. I suspect that Juno is blocking it.
Is anyone else experiencing this problem? Please
reply direct. TIA.

73, Mark

Sign Up for Juno Platinum Internet Access Today
Only \$9.95 per month!
Visit www.juno.com

Date: Mon, 18 Nov 2002 08:03:21 -0500
From: kwike@gdls.com
To: qrp-l@Lehigh.EDU
Subject: [140319] Michigan QRP Net
Message-ID: <0FE3193B7C.7251195C-0N85256C75.00479D4D@gdls.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Last week we had three check is with very good conditions.

S R
K8CV 599 599 ROYAL OAK MI WALT MI
K1CL 559 379 CHELMSFORD MA CHUCK MI
N8CQA 559 589 ROYAL OAK MI BUCK MI

The Michigan QRP net meets each Tuesday night at 9:00 PM Eastern time on
3.535 MHz +/- QRM. 3.535 has been busy the last several weeks so net has
been on 3.540 MHz.

Ed AB8DF

Date: Mon, 18 Nov 2002 08:21:42 -0500
From: "Walt Amos K8CV" <waltk8cvamosqrp@earthlink.net>
To: "Qrp-L Posts" <qrp-l@lehigh.edu>
Subject: [140320] Fw: NiCad 'D' Cells \$3 at RS
Message-ID: <001001c28f05\$6ff34ea0\$95b93841@WALTK8CV>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, that was a waste of time! Looked all over that MAZE of a web sight
full of JUNK but never could find the BATTERIES that were supposed to be on

SALE !

<http://www.radioshack.com>

Golly gee, the Drake portable receiver will just have to LIVE without any new batteries :-)

The old ones that I have are " D " cells in name only, as they are really a C cell inside a D body and sure don't last very long.

Walt

----- Original Message -----

From: <W0rw@aol.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Saturday, November 16, 2002 10:47 PM

Subject: NiCad 'D' Cells \$3 at RS

> Oh bye the way,
> The Radio Shack High Capacity (4 AH) NiCads (p/n 23-140 or 2300140)
> are on close out for \$2.97 each...
> (or you can buy them elsewhere for \$11.00 ea).
> You can check your local RS stores inventory of these batteries by
> going to the Radio Shack web site <http://www.radioshack.com>
> and entering the p/n above.
>
> de W0rw
>

Date: Mon, 18 Nov 2002 05:51:51 -0800 (PST)

From: Lloyd Lachow <llachow@yahoo.com>

To: qrp-1@lehigh.edu

Cc: hqrp@stevens.com, fpqrp-1@mpna.com

Subject: [140321] Re: [fpqrp] OT:Which ISP do you recommend?

Message-ID: <20021118135151.47070.qmail@web41006.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Mark,

I almost hate to say it, after reading your post,
but I've been using the Juno pay service for years,
and I'm very pleased. I don't like the fact that you

need to use a 900 number to get tech help, and pay something like \$2/min., but it's rare that I need to do so. It's \$9.95/mo, taken from the bank account directly, and I have lovely, uninterrupted dial-up service all the time. Sometimes, they bother you enough to allow them to send you some "mail," which is usually some spam with ads to pop-up, but each time that happens, I go to the ads folder and delete all the new downloaded ads, so there are no popups. They'll disconnect after awhile of no use, but so will all dial-ups. It's very different than their free service. There are other free services out there, and a few for a bit less, but this is my testimony that I'm a pretty happy camper her, and I'm hooked up mostly always.

=====

73, 72 es oo, Lloyd, K3ESE
K1 # 00379 - 20M Rock-Mite - Hunk o' Wahr
ARRL - ARS #1301 - FISTS #8774
FPqrp #476 - QRParci #11147
QRP-L #2415 - SOC #530
HGT #6'1 - Wgt #190 - BT #B-
dit dididit dit

Do you Yahoo!?
Yahoo! Web Hosting - Let the expert host your site
<http://webhosting.yahoo.com>

Date: Mon, 18 Nov 2002 05:53:35 -0800
From: "LEE HOPPER" <leehopp@msn.com>
To: qrp-l@Lehigh.EDU
Subject: [140322] QRO Lauds QRP ops in ARRL SSB SS
Message-ID: <F3nX1ypa0FjRuLIqPNr0001e379@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

kc0czi writes:

>We also noticed that MANY of the QRP stations had the better
>overall signals - IMPRESSIVE!

For the whole story see:

http://lists.contesting.com/_3830/2002-November/043335.html

=====

I had a great time working with my K2 - but had the 100W amp on (blush)!

Best -

Lee Hopper, KD7CTF
Portland, OR

The new MSN 8: advanced junk mail protection and 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Mon, 18 Nov 2002 05:57:19 -0800 (PST)
From: Lloyd Lachow <llachow@yahoo.com>
To: Mark Fields <mark_ke5my@juno.com>, qrp-l@lehigh.edu
Subject: [140323] Re: [fpqrp] OT:Which ISP do you recommend?
Message-ID: <20021118135719.46266.qmail@web41012.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Mark,

I love the Juno pay service; \$9.95/mo., and I'm hooked up all the time. It costs a bit for tech help, but I haven't needed much. It's very different than the free service. I've been using this for years now, with hardly a problem. Or pop-up.

=====

73, 72 es oo, Lloyd, K3ESE
K1 # 00379 - 20M Rock-Mite - Hunk o' Wahr
ARRL - ARS #1301 - FISTS #8774
FPqrp #476 - QRParci #11147
QRP-L #2415 - SOC #530
HGT #6'1 - Wgt #190 - BT #B-
dit dididit dit

Do you Yahoo!?
Yahoo! Web Hosting - Let the expert host your site
<http://webhosting.yahoo.com>

Date: Mon, 18 Nov 2002 09:15:56 -0500

From: Richard Powell <ripowell@mpna.com>
To: "'hamjoel@juno.com'" <hamjoel@juno.com>,
"fpqrp-1@mpna.com" <fpqrp-1@mpna.com>,
Subject: [140324] RE: [fpqrp] Sneaux and antennas
Message-ID: <01C28EE3.1A59FA60.ripowell@mpna.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

i like the 'sail' idear!
i think that will work.
/rick

-----Original Message-----

From: hamjoel@juno.com [SMTP:hamjoel@juno.com]
Sent: Monday, November 18, 2002 12:58 AM
To: fpqrp-1@mpna.com; qrp-1@Lehigh.EDU
Subject: [fpqrp] Sneaux and antennas

It done it again this year,,, it done sneauxed... threatened ice too... not a good combination for any antenna,,, so tell u what ah done.

ah puts a little sail in the middle of the coax downfall what causes the wind to shake the antenna and break the sneaux and ice loose...

iffin that don't work ah throws my trusty rod and reel over the wires and tie the strings to a bucket filled with a little sand soes it dances in the wind and shakes the elements sensless.... knocking off the ice and sneaux...

got to adapt up heah in maine u kneaux ... it was no problem keeping the gators and snakes off the antenna but this sneaux and ice stuffs.... man life's hard....

ke1la joel
in maien
mainely freezin

KE1LA JOEL
IN MAINE
FREEZIN

Sign Up for Juno Platinum Internet Access Today

Only \$9.95 per month!

Visit www.juno.com

-To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-1 -

Date: Mon, 18 Nov 2002 10:05:49 -0500
From: Alex <kr1st@amsat.org>
To: leon_heller@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [140325] Re: PIC processor question
Message-ID: <3DD901CD.5C893E9C@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Leon Heller wrote:

> The PIC was designed 25 years ago, and there are much better devices around.
> I'd start off with the Atmel AVR. It has a modern RISC architecture (the PIC
> isn't RISC, despite the marketing hype) and is *much* easier to learn and
> use.

I just built the PSK31 beacon kit which contains the SX28 running at 50MHz. I too am new to the PIC and have been wanting to develop software for them. I'm contemplating getting the development software and a programming key for it. However, I haven't committed myself to this processor yet. I too have been thinking of the Atmel ones, especially since the Cybiko contains one.

Do you know how the SX28 chip compares to others in your opinion? I don't mind shelling out the money for the key and software.

Thanks and 73,
--Alex KR1ST

Date: Mon, 18 Nov 2002 10:12:02 -0500
From: Tom Mc <tjmc@erols.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [140326] SS phone results
Message-ID: <3DD90342.6B6BEC26@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Guys (and Gals)

Played in the SS Phone...

In with the big and BIGGER guns but ONLY worked 2 other "Q" stations.

:(

Results ;
74 Sections
302 Q's
abt 20 hrs of fun

all best
Tom aa2vk

PS: No WAS this year, Couldn't find SC or NV... Couldn't work RI with
"Q" thru the others with my poor verticle...

--

```
*****
*   Member of NORCAL, NJQRP, LIQRP, HFPAck  *
*               K2 #1213                      *
* LIQRP Web Page: www.erols.com/tjmc/liqrp *
*   Personal web page : www.erols.com/tjmc  *
*****
```

Date: Mon, 18 Nov 2002 07:29:21 -0800
From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
To: <k9di@earthlink.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [140327] Re: K9DI SS report
Message-ID: <004c01c28f17\$46877f20\$5c3ccd18@charterpipeline.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Excellent effort, Wayne.

We have to figure out a way for you to enter your data into Cabrillo format
so you can send in the log to ARRL.... did you use a logging program or
compile the data manually??

Scoring is pretty simple----2 points per QSO (only non-dupes count)
multiplied by the number of Sections worked.... example 50 2-point-QSOs x
10 Sections = 50 x 2 x 10 = 1000 points.

Congratulations and best 72/73 de alan

Alan Kaul, W6RCL, LaCanada, CA

w6rc1@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Mon, 18 Nov 2002 07:31:58 -0800
From: John Kuklewicz <kuk1@cybrquest.com>
To: waltk8cvamosqrp@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [140328] Re: Fw: NiCad 'D' Cells \$3 at RS
Message-ID: <3DD907EE.4050505@cybrquest.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

I called RS yesterday - the 4500mAh NiCd D cells are now discontinued and not available except as existing stock in stores.

This must be what WORW encountered at his local store.

There is no integrated store inventory database available, either on-line or through the phone in folks (1-800-THE-SHACK)
The order taker suggested I call my local store(s) and have them check their inventory, and that of nearby stores to find these batteries. Note that they may or may not be on sale at any given store.

vy 73

John N7ZN

Walt Amos K8CV wrote:

>Well, that was a waste of time! Looked all over that MAZE of a web sight
>full of JUNK but never could find the BATTERIES that were supposed to be on
>SALE !
>
><http://www.radioshack.com>
>
>Golly gee, the Drake portable receiver will just have to LIVE without any
>new batteries :-)
>
>The old ones that I have are " D " cells in name only, as they are really a
>C cell inside a D body and sure don't last very long.
>
>Walt
>

>----- Original Message -----

>From: <W0rw@aol.com>

>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

>Sent: Saturday, November 16, 2002 10:47 PM

>Subject: NiCad 'D' Cells \$3 at RS

>

>

>

>

>>Oh bye the way,

>>The Radio Shack High Capacity (4 AH) NiCads (p/n 23-140 or 2300140)

>>are on close out for \$2.97 each...

>>(or you can buy them elsewhere for \$11.00 ea).

>>You can check your local RS stores inventory of these batteries by

>>going to the Radio Shack web site <http://www.radioshack.com>

>>and entering the p/n above.

>>

>>de W0rw

>>

>>

>>

>

>

>

>

>

>

Date: Mon, 18 Nov 2002 15:34:39 -0000

From: "John Small" <jdsmall@sigecon.net>

To: <qrp-1@Lehigh.EDU>

Subject: [140329] FS RM-20

Message-ID: <000f01c28f18\$02b26cf0\$d60a403f@7m81x01>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I've enjoyed working 11 states with my RM-20 mounted in an Altoids box. Now it is for sale. \$35 postpaid.

John W9FHA

Date: Mon, 18 Nov 2002 07:38:57 -0800
From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
To: <rattray@gpfn.sk.ca>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [140330] Re: WAS QRP
Message-ID: <005101c28f18\$9f6cf420\$5c3ccd18@charterpipeline.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bruce. . .

There were two very loud Hawaii stations on during ARRL SSB SS: KH6VV and KH7X too bad the list was down during the contest, I could have messaged their call letters, bands, etc.

However, do not despair . . . the CQWW CW contest is this coming weekend, and traditionally there are a handful of KH6 stations on and many of them use stacked Yagi's, etc, and have very good ears when it comes to hearing small signals.

If you have access to one of the internet packet clusters, their call letters will probably be spotted (if you don't, try an internet search on <http://www.google.com/> searching for "packet cluster" and see what comes back. Bookmark it and then remember to check it during the contest.

Delaware, on the other hand, is going to be a little harder.... but the ARRL 10M contest is coming up and that might be the next one to try....

Best 72/73 de alan

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Mon, 18 Nov 2002 15:52:12 GMT
From: Wayne <w5kdj@juno.com>
To: mark_ke5my@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [140331] Re:OT: Juno is (I think) blocking my messages
Message-ID: <20021118.105240.28204.13547@wm8.nyc.unttd.com>

I have had Juno for 3 years and have had no problems with anything. I see nothing that shows up as blocking tfc.

W5KDJ_Wayne

Date: Mon, 18 Nov 2002 11:01:19 -0500
From: Michael Babineau <michael.babineau@sympatico.ca>
To: qrp-l@Lehigh.EDU
Subject: [140332] Z-Match and end-fed halfwave?
Message-ID: <F9CA4BDE-FB0E-11D6-9274-00039309268A@sympatico.ca>
Mime-Version: 1.0 (Apple Message framework v546)
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit

Folks :

Can anyone out there with knowledge of Z-match tuners tell me if they are capable of matching a high impedance load of about 5K Ohms?

Specifically I am wondering if an Emtech ZM-2 will match a end-fed half wave for 20M.

I had planned to try this over the weekend ... I figured it was the easiest way to find out, but we had some really nasty weather (about a foot of blowing snow) so I spent much of my time shoveling rather than playing with antennas!

If someone can tell me from practical experience or sound theory that this won't work then I won't waste my time, otherwise I will go out and freeze my fingers and report back to the list.

Yeah, I know I should have tried this in August!

Michael VE3WMB

Date: Mon, 18 Nov 2002 11:04:53 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [140333] Re: Sidekick Builders Pad generation technique de K7Q0 [long]
Message-ID: <5.1.1.6.1.20021118105916.00a71df0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>Hey, I've got the WISS hand held metal cutters that we all
>can get or have gotten from Home Depot. Model Number M-300
>for metal cutters. LISTEN UP: there are three models for these
>metal cutters and they cut right handed curves, left handed curves,
>or straight. The Model M-300 is for straight cuts and has orange
>handles. The others have something like green and maybe blue or
>red handles. Just read the numbers and pay attention. I'd hate
>to have you make two trips to Home Depot. And I think the price
>was under \$20, but don't quote me on that.....

Chuck,

I'm not familiar with that tool. Would it be suitable for cutting larger sheets of PC board material to (rough) size? We have a nice hydraulic shear at work where I get most of my boards cut, but I have to get one of the metal shop guys to do it. (I'm not allowed to operate the big iron.) When I'm at home on the weekend, it's either wait for Monday or nibble it away with the Radio Shack nibbler.

Speaking of the RS nibbler, that's what I've been using to make Manhattan pads. The pads are rough around the edges, sometimes have copper threads sticking out, and the way the nibbler sticks in the work (especially with 1/16th inch stock) it's slow going. But the pads are narrow enough to use with DIP ICs.

I'm going to get one of these WISS cutters just to make the larger pads, but it'd be nice if I could use it for the main bords too.

Dave

A Real Programmer can write FORTRAN in any language.

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 18 Nov 2002 11:25:40 -0500 (EST)
From: Chris Cartwright <ccart@phideaux.com>
To: Ji m <ku4qw@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [140334] Re: Filters for Yaesu FT-747sx
Message-ID: <Pine.LNX.4.33.0211181122130.7801-1000000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Forgot to mention, the SB-1400 filter board has three filters, AM, SSB and CW. They say the AM is 6Khz wide, and the CW is 500Hz wide, but there's no mention of the SSB filter in the manual. The QST review says SSB is a 2.2Khz filter.

72

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Mon, 18 Nov 2002 11:45:32 -0500 (EST)
From: Chris Cartwright <ccart@phideaux.com>
To: QRPL List <qrp-l@lehigh.edu>
Subject: [140335] Re: Filters for Yaesu FT-747sx
Message-ID: <Pine.LNX.4.33.0211181144330.7801-1000000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 17 Nov 2002, Ji m wrote:

> I have the qrp version of the FT-747, the sx 10 watt

Jim,

I don't have the 747, never did, but I do have a manual for it's Heathkit version, the SB-1400 and some notes. Googling for SB-1400 might get you some results, and I have a note that says Jan '91 QST had mods for the rig in it.

There's a review of the FT747GX in Aug 89 QST, and the SB-1400 in Oct 89 QST. They're both on the members-only section of the ARRL website. Heath apparently shipped the filters as standard so there isn't a seperate part number. The CW filter is listed as XF02 on on the Heath schematic, and is

an 8.XXX Mhz (500 Hz wide) crystal filter. I can't tell the exact IF, since the first IF is ~47Mhz and that's mixed with a 38.804 oscillator to get the second IF. Oh, first IF is 47.055 Mhz.

Eureka!! Just found the 2nd IF frequency used by the filters, 8.215 Mhz !! If you can find a filter for that frequency, you should be good to go. Or you might be able to find crystals and "roll your own". Not sure if later Yaesu's used 8.215, but if they did, the filter should work. Might have to change/extend the leads to get it in there.

And FWIW, the rig goes from 50mW to full power with the front panel control and can be computer controlled.

72 es gl

```
-- Chris Cartwright,   Unix Administrator |      ccart@phideaux.com      --
-- N3XRV      ARRL-VE   Norcal Zombie #163 |      Oxford, PA 19363 FM29as   --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

Date: Mon, 18 Nov 2002 07:50:42 -0800
From: Jim Pruitt <PruittJ@cwu.EDU>
To: qrp-l@Lehigh.edu
Subject: [140336] Re: Testing 1 2 3 Time:12:10 AM PST
Message-ID: <sdd89be8.026@hermes.cwu.edu>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: quoted-printable
Content-disposition: inline

It showed up here at 6:34 AM PST.

>>> Trevor Jacobs <kg6cyn@EARTHLINK.net> 11/18/02 12:10AM >>>
Haven't been seeing a lot of post (including mine) to QRP-L so thought I'd run a test. I'm posting this at 12:10 AM PST. Let's see when it shows = up...

73's Trev KG6CYN
<http://home.earthlink.net/~kg6cyn=20>
<http://www.qsl.net/kg6cyn=20>

Date: Mon, 18 Nov 2002 11:07:51 -0600
From: sjolin@swbell.net
To: PruitJ@cwu.EDU,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [140337] Re: Testing 1 2 3 Time:12:10 AM PST
Message-ID: <083f01c28f25\$079eba40\$78d1fea9@DaveSjolin>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Your lucky. Didn't show here until 9:06 a.m. PST. I didn't receive anything from qrp-l most of yesterday. Just got a bunch this morning.

----- Original Message -----
From: "Jim Pruitt" <PruittJ@cwu.EDU>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, November 18, 2002 9:50 AM
Subject: Re: Testing 1 2 3 Time:12:10 AM PST

> It showed up here at 6:34 AM PST.
>
>
>
> >>> Trevor Jacobs <kg6cyn@EARTHLINK.net> 11/18/02 12:10AM >>>
> Haven't been seeing a lot of post (including mine) to QRP-L so thought I'd
> run a test. I'm posting this at 12:10 AM PST. Let's see when it shows
up...
>
> 73's Trev KG6CYN
> <http://home.earthlink.net/~kg6cyn>
> <http://www.qsl.net/kg6cyn>
>
>
>

Date: Mon, 18 Nov 2002 09:30:18 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>

To: <qrp-1@lehigh.edu>
Subject: [140338] Re: Z-Match and end-fed halfwave?
Message-ID: <MABBJOEAB0ILMKCJCLFCCEMFDLAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Michael

Rather than fight the very high impedance at the end of a half wave wire, try adding about 4-8 feet to it. This will lower the feed point Z to where you can handle it more readily. You should still use a quarter wave wire as a counterpoise, though.
73, Bob N6WG

Date: Mon, 18 Nov 2002 11:47:12 -0500
From: "Tony Parks" <robert.parks11@gte.net>
To: <w5jay@alltel.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [140339] SideKick templates sent
Message-ID: <001201c28f22\$26403f80\$ed12f143@3dse0>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Eighteen builders requested paper/card stock printouts of the SideKick board pad/hole place template I recently did in Autocad. I decided to make it simple and send two paper and two card stock template printouts in each letter. The letters were mailed this morning and I hope the templates will be of some value to the SideKick builders.

Please accept my small contribution to the project by NOT returning postage costs to me. (That would just double the cost of postage. :-)

Jay, thanks for kitting such a neat project!

73 to all,
Tony
KB9YIG

Date: Mon, 18 Nov 2002 11:47:57 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@LeHigh.EDU>
Subject: [140340] Fox - Winter Fox Hunt Teams Results.
Message-ID: <Pine.LNX.4.33.0211181132260.19600-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt #3 - WD7Z -

Burbank Wrecking Crew - 12

Michael - K6MMC *
Todd - AG0T * Clean
Don - KC2CK * Sweep
Woody - WD9F *
Trev - KG6CYN *

Cheeseheads - 15

Jerry - N9AW *
Jim - WA9TZE * Clean
Lon - W9XU * Sweep
Rick - NK9G *
Glenn - WE9K *

NE-TX Tornados - 15

Chuck - W5USJ *
Bill - K5JHP * Clean
Don - K5DW * Sweep
Doc - W5TB *
George - W5YR *

p-Shooters - 6

Chuck - K7Q0
Gary - NQ7T
Jim - KC1FB *
Wayne - W5KDJ
Tony - KB9YIG *

Raiders of the Lost RF - 15

Dan - VE6EZ *
Earl - VA6RF * Clean
Fred - VE3FAL * Sweep
Robert - VE6JAZ *
Bruce - VE5RC *

Swamp Rats - 12

Larry - N2WW *
ET - N1FN *
Paul - K4FB *
Doc - K0EVZ
Tom - N1TP *

K1 K9s - 11

Lloyd - K3ESE *
John - K8HJ *
Ralph - KD1R
Joe - W2RBA
Alan - N3BJ *

Cajun Thunder - 9

Wayne - K5E0A *
Jim - N5IB *
Vern - AA50
Wayne - N5YFC
Tom - AC5JH *

Great Lakers - 11

Underdogs - 14

Mark - K2Q0 *
Tom - KV2X *
Al - K2ZN *
Bill - K2TER
Jeff - VA3JFF

Dan - N4ROA *
Dave - W0CH *
Ron - KI0II *
Randy - K7TQ
Art - KB7WW *

Aluminum Kings - 9

Dust Devils - 12

Bob - N4BP *
Jim - N0UR *
Al - K0FRP<---K0FPR in fox log?
Pat - K0PC *
?

George - KR5C
Martin - N6LIF
Eric - NM5M *
Dale - K5SR *
Lew - N5ZE *

Loco-motives - 9

Frank - K2PQ *
Jack - K5FSE *
Jason - N8XE *
Mike - VA6MJT
?

..please send any changes and/or corrections directly to me...thank
you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Mon, 18 Nov 2002 12:50:50 -0600
From: W2EB <w2eb@twcnny.rr.com>
To: qrp-l@lehigh.edu
Subject: [140341] SS SSB W2EB
Message-ID: <3DD9368A.929D852@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Had some nice success on sweeps this weekend. Only got one hour on, but snagged a VY1 station loud and clear. Boy, do I wish those folks were on during CW sweeps!

16 Qsos, 16 Sections including PAC and NWT. Wife pulled me off while I was in line for KL7.

Bill
W2EB

--

"Thomas Hodgkin died of natural causes"

Date: Mon, 18 Nov 2002 18:02:08 -0000
From: "John Small" <jdsmall@sigecon.net>
To: <qrp-1@Lehigh.EDU>
Subject: [140342] Re: FS RM-20
Message-ID: <003101c28f2c\$9d1ef560\$b30b403f@7m81x01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It is spoken for. Thanks for the inquiries.

John
jdsmall@sigecon.net

Date: Mon, 18 Nov 2002 13:04:11 EST
From: NV9Z@aol.com
To: qrp-1@lehigh.edu
Subject: [140343] FOR SALE/TRADE: MFJ-16010
Message-ID: <67.2691f88.2b0a859b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi QRPers!

I have an MFJ-16010 mini tuner for sale/trade. I am looking to upgrade to a heavier tuner with built-in FR/SWR meter(s).

Please contact me off list at NV9Z@aol.com.

Thanks and very 73/72!

Chris Blaase NV9Z QRP-L #2370 QRP-ARCI #11172 et Al
Hagerstown IN

Date: Mon, 18 Nov 2002 10:05:12 -0800
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-1@Lehigh.EDU>
Cc: "Chuck Adams" <k7qo@earthlink.net>
Subject: [140344] Re: Sidekick Builders Pad generation technique de K7Q0 [long]
Addendum
Message-ID: <010c01c28f2d\$0de66b20\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Chuck points out a very good way to make the pads. I did exactly the same thing, but used a set of heavy duty diagonal cutters that I got at an auto parts store. But I like the WISS shears idea better. Good job Chuck. Also, Chuck discovered a very neat way to cut the pads for the IC's and the tunable coil. Here it is:

Buy an Exacto aluminum hobby miterbox. You can get them in most hobby shops that sell model airplane supplies. It comes with a saw in one version and without in another. Next, get a miniature hacksaw from home depot, orchard supply, etc. Get the fine toothed blades with your hacksaw (32 tpi). Ok, you have the tools now to make the pads. In your SideKick kit you have a strip of 1/2" wide pc board. Take this piece and use the IC socket in your kit as a gauge. Place pin #1 right on the edge, and place a pencil mark where pins 2, 3 & 4 are on the pcboard. Then put the socket so that pin 1 is on the first mark, and place a mark where pin 4 now is. You should have 4 marks on your pc board now. Put the pc board in the miter box, and use your saw to just cut through the copper on the first 3 marks. Use a volt/ohm meter to make sure that you do not have continuity between pads. Next, cut off the strip at the 4th mark. You will have a pad that is 1/2" x 1/2" cut into 4 islands. Now, turn the pad 90 degrees and make a final cut down the middle of the pads, going just through the copper. Now you have a pad with 8 islands, instant IC pad, and it lines up perfectly with the socket. This is one of those things that is easily done with the right tools, and difficult without. Great idea Chuck. In fact, he may have some pictures of this process on his webpage now. Do you have them still there Chuck??

Chuck also has a great idea on the plan for the new band rig. I will commit to providing a parts kit to convert the SideKick from 40 meters to the new band, and provide the parts kit to build the transmitter. Just as soon as we get a firm commitment that we are getting the new frequencies and when, I'll get to work on it. You need to get your SideKick receiver before the supply runs out though. Go to <http://www.cox-internet.com/w5jay/kits/sidekick.htm> to get information on ordering a kit. This will be the cheapest way that I know of for us to get on the new band. But don't take too long, as he is just about out of the second run and will be starting on the third and final run of 100 soon.

Boy this is fun. 72, Doug

Date: Mon, 18 Nov 2002 18:29:21 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: kr1st@amsat.org, qrp-l@Lehigh.EDU
Subject: [140345] Re: PIC processor question
Message-ID: <F55XlaoY99EXxt5BBBV00000556@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: Alex <kr1st@amsat.org>
>Reply-To: kr1st@amsat.org
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: Re: PIC processor question
>Date: Mon, 18 Nov 2002 10:05:49 -0500
>
>Leon Heller wrote:
>
> > The PIC was designed 25 years ago, and there are much better devices
>around.
> > I'd start off with the Atmel AVR. It has a modern RISC architecture (the
>PIC
> > isn't RISC, despite the marketing hype) and is *much* easier to learn
>and
> > use.
>
>I just built the PSK31 beacon kit which contains the SX28 running at
>50MHz. I too am new to the PIC and have been wanting to develop software
>for them. I'm contemplating getting the development software and a
>programming key for it. However, I haven't committed myself to this
>processor yet. I too have been thinking of the Atmel ones, especially
>since the Cybiko contains one.

>

>Do you know how the SX28 chip compares to others in your opinion? I
>don't mind shelling out the money for the key and software.

I've got some SX devices, but haven't used them yet. The power consumption is rather scary when running them at 50 MHz. 8-) There is a free programmer for them, called 'Fluffy', which is based on a PIC 16F84. They have the disadvantage that they use the PIC architecture.

Unless you really need the speed, the PIC is probably better for the average user.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790

Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

Add photos to your messages with MSN 8. Get 2 months FREE*.

<http://join.msn.com/?page=features/featuredemail>

Date: Mon, 18 Nov 2002 13:57:00 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <leon_heller@hotmail.com>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Cc: <oz2dkp@hotmail.com>

Subject: [140346] Re: OT - PIC processor question

Message-ID: <003801c28f34\$4a0f8e40\$0300a8c0@charter.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> >Dear wizards of the ether!

> >

> >I am interested in leaning more about these ubiquitous processors.

> >Can anyone recommend some particularly good books or links?

> >

>

> The PIC was designed 25 years ago, and there are much better devices

around.

> I'd start off with the Atmel AVR. It has a modern RISC architecture (the PIC

> isn't RISC, despite the marketing hype) and is *much* easier to learn and

> use.

>

> I've got some info about the AVR on my web site.

>

> Unfortunately, I am just about to start a project using a new PIC device.

> I'm quite sure the client has chosen the wrong uC (the TI MSP430 would be

> better and cheaper) but that's what they want me to use. 8-(

>

> Leon

> --

> Leon Heller, G1HSM Tel: +44 1424 14790

I'd second that!! The PIC is a bit of a bear to learn, although it is a nice chip.

Just don't let ANYONE tell you that you can use the RC timing instead of a crystal!! It's all over the place. A2D is impossible unless you use a crystal!

The AVRs are good, that's true.

But if you want 'bottom line' cheap, consider the Z8+. Small, limited I/O,

and no A2D. But, it DOES come with an ICE for \$100! Yep, a plugable ICE. The ICE also doubles as the 'programmer' for the OTP parts. I don't believe they have flash parts, but at just over \$1 a part, and with an

ICE, who needs flash? There IS one caveat, the ICE only runs at one speed, so you have to use it at that speed, and if it's necessary to support

other speeds with your final code, you'll have to make an assembly switch.

Another option is the 6812. Right now you can get a 'badge' free for just going to the Motorola seminar. Nice part! And powerful! And for another \$160 you can get a device to plug into the badge that gives you almost as much power as an ICE. And... The tools are free. Well, mostly. CodeWarrior is a development set with debugger that runs through the external interface, and it is 'limited' in how big a program it will support. But only in "C". In assembly you're unlimited.

Mike

Date: Mon, 18 Nov 2002 18:58:30 -0800
From: Don Minkoff <cowchip@attbi.com>
To: qrp-l@Lehigh.EDU
Subject: [140347] SS SSB results
Message-ID: <3DD9A8D6.2090305@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

I decided to try the SSB at QRP levels this year and used my K2 at 5 W
to a Force 12C4 at 40 ft. Worked only 7 hours.

10 M was the band for low power. I had to slug it out on 20 and 40M.

The last few hours on 40 provided me with almost all of California.

band	count
40	13
20	24
15	69
10	81

Total Q's: 187 and 67 sections. Score looks like 25,058.

73,

Don Minkoff
NK6A

Date: Mon, 18 Nov 2002 14:03:03 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <waltk8cvamosqrp@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [140348] Re: NiCad 'D' Cells \$3 at RS
Message-ID: <00cc01c28f35\$3cae74e0\$0300a8c0@charter.net>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> The old ones that I have are " D " cells in name only, as they are
really a
> C cell inside a D body and sure don't last very long.
>
> Walt

Actually, it's worse than you think. The old 'standard capacity' cells,
both
C and D, did NOT have a 'C' cell inside them. They had a 'Sub-C' cell.
It's about 2/3 of a 'C' cell, and is the 'standard' for the industry for
things
like electric razors, screwdrivers, etc.

The reason the Sub-C were used inside the C and D cell carriers is simple.
Cost. Sub-C were already mass produced for the industry. To make
C and D cells for the limited (compared to the quantities of Sub-Cs that
were being produced) was prohibitively expensive at the time. But
Sub-Cs were being churned out in huge numbers, and really, for most
applications, they were enough. Even in a 'D' carrier.

Mike

Date: Mon, 18 Nov 2002 13:05:34 -0600
From: "Jim NOUR" <n0ur@attbi.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [140349] FOX:Final log NOUR
Message-ID: <001901c28f35\$798e4200\$6a202942@ce1.client2.attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This looks like it. Thanks again everyone. See you again on Jan 16th.

0200	KB7WW	559 559 OR ART 5W
0201	N3BJ	579 589 VA ALAN 5W
0202	K5ZTY	579 559 TX BILL 5w

0202	W0CH	579	559	MO	DAVE	5W
0203	VE6EX	579	559	AB	DAN	5W
0204	N0TK	579	559	CO	DAN	5W
0204	VE4WI	579	559	MB	CRAIG	5W
0205	WA8BXN	579	569	OH	MIKE	5W
0206	KB9YIG	559	579	IN	TONY	500MW
0207	K2Q0	579	599	NY	MARK	5W
0207	N4R0A	579	559	VA	DAN	5W
0208	VE5RC	579	559	SK	BRUCE	5W
0209	K8CV	579	559	MI	WALT	5W
0209	K8HJ	579	559	MI	JOHN	5W
0210	N0DSP	579	559	CO	TOM	5W
0211	K3ESE	559	559	MD	LLOYD	5W
0211	VA6RF	559	579	AB	EARL	5W
0213	K5PSH	579	579	TX	JERRY	5W
0213	KK5LD	579	559	TX	DAN	5W
0214	N5ZE	579	559	TX	LEW	5W
0214	K9UT	579	599	IN	JERRY	5W
0215	K5TR	579	599	TX	GEO	5W
0216	K2PQ	579	589	NJ	FRANK	5W
0216	K3IU	579	559	RI	KEN	5W
0217	VE6JAZ	579	579	AB	ROB	5W
0217	NQ7X	559	559	AZ	FLOYD	5W
0218	AC5JH	579	559	OK	TOM	5W
0219	N4BP	579	599	FL	BOB	5W
0219	AG0T	579	559	ND	TODD	4W
0220	N1TP	559	559	FL	TOM	5W
0221	K4ADI	579	579	SC	FRANK	5W
0221	K5JHP	579	559	TX	BILL	5W
0222	K4QU	579	599	VA	MIKE	100W
0223	N3AO	579	579	PA	CARTER	5W
0223	N5UW	579	599	OK	CLIF	5W
0224	N1FN	579	559	CO	ET	5W
0224	K4GT	579	559	GA	JIM	5W
0225	N5EBD	579	559	TX	KEN	5W
0226	WR50	559	559	TX	DAVE	5W
0226	N0RC	559	599	CO	ROD	5W
0227	WA7TQK	559	559	ID	BILL	5W
0227	K3PH	599	599	PA	BOB	5W
0228	K2ZN	579	579	NY	AL	1W
0228	N8VAR	579	559	OH	RON	5W
0229	K3VEI	599	599	PA	BERT	5W
0230	W5YR	559	559	TX	GEORGE	5W
0231	WS4S	559	569	TN	CONARD	5W
0232	KG6CYN	559	559	CA	TREV	5W
0233	WW7Y	559	559	UT	STEVE	5W
0234	KC1FB	559	559	CT	JIM	500MW
0236	KB2SEU	579	559	NY	MARIO	100W

0237	K7TQ	579	559	ID	RANDY	5W
0237	K5SR	559	559	TX	DALE	5W
0238	W0UFO	579	559	MN	MERT	5W
0239	W9JOP/4	579	559	VA	BOB	250MW
0240	K40AH	559	559	GA	GAREY	5W
0240	W5USJ	579	559	TX	CHUCK	5W
0241	K5FSE	579	599	GA	JACK	5W
0241	WV9N	579	599	OH	RANDY	5W
0242	K5AIC	559	559	MS	HERB	5W
0243	W3SMK	579	599	NY	STEVE	5W
0243	K4TJD	579	599	GA	TOM	5W
0244	K4BYF	559	559	FL	JACK	3W
0244	KI0II	579	559	CO	RON	1W
0245	NN5E	559	559	TX	VERN	5W
0245	AE4Y	559	559	GA	KENT	5W
0246	K5DW	579	559	TX	DON	5W
0247	N2WW	579	559	CO	LARRY	5W
0247	N3XRV	579	559	PA	CHRIS	5W
0248	N8XE	579	559	OH	JASON	5W
0249	KC2CK	579	559	NY	DON	1W
0250	K2ZR	599	599	NY	DICK	25W
0250	AB5XQ	579	559	AR	BILL	5W
0251	K2TVY	579	599	NJ	FRANK	1W
0251	W3KC	559	579	MD	CHAS	5W
0253	KG4LDY	559	559	VA	JIM	5W
0253	KQ5U	579	559	TX	TERRY	5W
0254	NK0E	559	559	CO	DAVE	5W
0255	KG4FSN	579	559	FL	JUAN	4W
0256	AJ4AY	559	559	AL	JAY	5W
0256	KR0U	579	579	CO	TIM	5W
0257	AF4LQ	559	559	KY	MIKE	1W
0257	W8YMO	579	559	OH	HARRY	5W
0258	AF4PS	559	559	FL	MAC	4W
0259	W5YA	579	579	NM	FRED	100MW
0300	AB9CA	559	559	AL	DAVE	5W
0301	W6ABC	559	559	PA	JACK	5W
0301	NK6A	559	559	CA	DON	5W
0302	NV4V	579	579	KY	PETE	5W
0303	NU4N	579	579	KY	DAVE	5W
0304	W2RBA	559	579	NY	JOE	5W
0305	W2XN	559	559	FL	FRED	5W
0305	AA5O	599	559	LA	VERN	5W
0306	AA7EQ	579	559	AZ	BOB	5W
0307	K0PC	559	559	MN	PAT	5W
0307	AC7A	559	559	AZ	TOM	5W
0308	W4YN	579	579	NC	TIM	5W
0309	N0TU	579	559	CO	STEVE	250MW
0310	W5TR	559	559	TX	GEORGE	5W

0312	WB6BWZ	559 559	GA MATT 5W
0312	W2AGN	579 559	NJ JOHN 5W
0314	W5TB	559 559	TX DOC 5W
0315	W5KDJ	559 559	TX WAYNE 1W
0316	W4NJK	559 559	CA CHARLIE 5W
0317	K6MMC	559 559	CA MIKE 5W
0318	K9DC	599 559	IN DAVE 5W
0319	VE5DC	579 579	SK JERRY 5W
0320	N5YFC	559 559	LA WAYNE 5W
0321	KV2X	559 559	NY TOM 5W
0322	WB8WTU	559 559	OH DENNIS 2W
0323	N0SG	559 559	CO JASON 5W
0324	VA3JFF	559 579	ON JEFF 5W
0324	K0EVZ	559 559	ND DOC 5W
0325	N5IB	559 559	LA JIM 5W
0326	K1KID	579 559	MA CARL 4W
0327	AL0A	559 559	ME GREG 5W
0328	WA7LNW	559 559	NM JACK 5W
0329	W9UQB/7	559 559	AZ MIKE 5W
0330	K5E0A	559 559	LA WAYNE 5W
0331	N0AR	559 579	MN SCOTT 5W
0334	K2TER	559 559	NY BILL 5W
0335	KJ0C	599 599	MO JIM 5W
0337	N7CQR	579 559	OR DAN 5W
0338	N5FFF	559 559	LA WAYNE 5W
0339	K5DI	559 559	NM KARL 5W
0340	WA9TZE	559 559	WI JIM 5W
0348	N9AW	559 559	WI JERRY 5W
0350	K9DI	559 559	IL WAYNE 5W
0355	KD4JEZ	559 559	FL DAVID 4W
0357	NM5M	559 559	TX ERIC 5W
0401	K4FB	PAUL FOX	
0401	N0UR	JIM FOX	

Date: Mon, 18 Nov 2002 15:26:08 -0500
 From: "Jim Stamper" <jstamper@shentel.net>
 To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
 Subject: [140350] Re:OT: Juno is (I think) blocking my messages
 Message-ID: <002d01c28f40\$bc528a00\$c55c6fcc@jim>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

FWIW I got no QRP list messages Saturday and Sunday through our local ISP, Shentel.net. Perhaps there was a glitch in the Lehigh server.

73,
jim-
KG4LDY

----- Original Message -----

From: "Wayne" <w5kdj@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, November 18, 2002 10:52 AM
Subject: Re:OT: Juno is (I think) blocking my messages

> I have had Juno for 3 years and have had no problems with anything. I see
nothing that shows up as blocking tfc.

>
>
>
>
> W5KDJ_Wayne
>
>

Date: Mon, 18 Nov 2002 16:04:58 -0500
From: "Ed Kessler" <aa3sj@arrl.net>
To: qrp-l@lehigh.edu
Subject: [140351] MFJ Cub Circuit Help Please
Message-ID: <3DD90FAA.7615.5586C6A@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Good Afternoon,

I'm working on an MFJ Cub and need to know the value of C62 (from base of the final transistor to gnd).

I don't have a manual, so would one of you Cub owners please check this value for me?

Thanks,

73

Ed AA3SJ

Date: Mon, 18 Nov 2002 13:25:06 -0800 (PST)
From: Lloyd Lachow <llachow@yahoo.com>
To: QRP-1 <qrp-1@lehigh.edu>
Subject: [140352] Re:Re: Re:OT: Juno is (I think) blocking my messages
Message-ID: <20021118212506.21543.qmail@web41004.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Juno used to block my thoughts, until I made the
tinfoil pyramid I always wear on my head now. Still a
good ISP, though, IMHO.

oo

Do you Yahoo!?
Yahoo! Web Hosting - Let the expert host your site
<http://webhosting.yahoo.com>

Date: Mon, 18 Nov 2002 16:30:24 -0500 (EST)
From: Chris Cartwright <ccart@phideaux.com>
To: QRPL List <qrp-1@lehigh.edu>
Subject: [140353] Re: link to sheet metal tools website
Message-ID: <Pine.LNX.4.33.0211181628040.7801-100000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 17 Nov 2002, E. Roswell wrote:
> <http://www.harborfreight.com>

FWIW, south central PA is getting a Harbor Freight retail store, out on
Eisenhower Blvd in Harrisburg. Noticed the sign when I went to visit my
son this week end. About an hour and a half away from me, but I'm sure
I'm gonna spend some money there :)

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Mon, 18 Nov 2002 16:30:02 -0600
From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: michael.babineau@sympatico.ca
Subject: [140354] Re: Z-Match and end-fed halfwave?
Message-ID: <001701c28f52\$09637b40\$6501a8c0@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

Hi Michael,
I would be surprised if it doesn't match 5K ohms at 20m given the
ZM2's claimed support for 80m - 10m. A conventional L-network tuner
would need to provide 5.63 uH inductance in series with 22.5 pf shunt
cap to match 5K ohms on 20m. At 3K ohms it drops to 3.53 uH and 35.3
pf respectively. To contrast, a 5.64 uH series inductor with a 300.6
pf shunt cap would be needed to match _375_ ohms resistive on 80m.

Unless you especially enjoy cold weather antenna testing (:-) you can
build a dummy load with 5 series 1K ohm 1 watt resistors (or turn the
power down on your rig and use 1/4 or 1/2 watt resistors) and do your
testing indoors.

Let us know how it goes either way. GL!

72/73,
Lew
N5ZE

Date: Mon, 18 Nov 2002 22:55:57 -0000
From: "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [140355] ARRL HANDBOOK (RF ATTENUATOR INFO)....es WEB PAGES...
Message-ID: <003101c28f55\$aa1489a0\$055bfea9@GM0NWI LAPTOP>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys...

You will have no doubt seen my recent "postings" on the wish that I have to "construct" an "RF Attenuator" to allow me to work "milli-watt" and "micro-watt" powers with the rigs here in the "shack".....

Firstly let me thank all those that are at present tryin' to help me with info, for acheiving this (to y'all) seemingly useless idea....

I have been informed that indeed there is info on the "construction" of one of these devices in most of the "ARRL Handbooks".....So I was wondering if anyone would like to help me obtain, the relevant pages, through either a "scan" or a "photocopy" of the info from this book....I am new to this part of the "construction" of this device and albeit the info I have as yet received is most helpful and interesting,.....I feel that I need to obtain "pictures", and possibly a circuit, with the appropriate values, to help me "get my head round it" as they say...

Could anyone here, possibly supply me with a copy of any pics, diagrams, values on the "construction" of this device, to enable me to hopefully copy it for myself....

I want to be able to both "milli-watt" and "micro-watt" with my rigs that only go as far down in output power as 1 watt and 5 watts respectivley.....as yet I am not that advanced to muck around with voltages, and the lower of power through the use of "finals" only.....and the "home-brew" rigs I have built I dont as yet want to "get in the guts" of them yet with "mods" to allow me to do this.....

I do not have in my possession a copy of either the "ARRL Handbook" or the "RSGB Handbook" where I might get info on this device also....

All help will be greatly appreciated....it cant be that hard to build one,all you guys do it....!!!

I am aiming for something that has the "power" to let me go in 1/2 stages down in power, I'm

told this is about 3db of a decrease as we go.....and I would like to know if it is possible for these units to be built as a "thru" device, that I can leave "in line" and "switch out" as it is physically and logistically difficult for me to move my equipment, due to my disability.....I mention power meter included in the design, because I would like to "see" what the output power is exactly as I "flick" the appropriate switches.....

Not only do I have a desire to "construct" something of this nature, to experience the fun you guys have, but due to where I live (Sheltered Housing For Disabled People)VERY QUICK necessity has it that I NEED to do this in the coming weeks (with or without help) as there is a problem with my causing TVI and Emergency Alarm "Breakthrough" at the moment, and I have a responsibility to try and alleviate MYSELF from the problem.....or face eviction again.....(YES its happend3 times before)

So again THANKS to all those helping me at the moment, both through and off the list, but I feel I need to gather some more info for myself to see, until those helping me can get a little further in my quest.....

Answers on a postcard to the e-mail address below.....

72's & 73's de gm0nwiqrp@btopenworld.com "

Bada-Bing... Bada-Boom "

Andy

GM0NWI

" It is vain to do with more....

" A

Dis-Orientated Kiwi...."

what can be done with less...."

In The Northern

Hemisphere...."

Date: Mon, 18 Nov 2002 15:08:13 -0800

From: Mark Schoonover <schoon@amgt.com>

To: "'jstamper@shentel.net'" <jstamper@shentel.net>,

Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [140356] RE: OT: Juno is (I think) blocking my messages

Message-ID: <BF889CEBEFD2D511B993009027F60ABE251A8D@AG-JASMINE-NT4>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Same here, and I run my own SMTP server... Thought I was having my own set of problems, but I was getting mail from other listes... Wonder what happened??

.mark

-----Original Message-----

From: Jim Stamper [mailto:jstamper@shentel.net]
Sent: Monday, November 18, 2002 12:26 PM
To: Low Power Amateur Radio Discussion
Subject: Re:OT: Juno is (I think) blocking my messages

FWIW I got no QRP list messages Saturday and Sunday through our local ISP, Shentel.net. Perhaps there was a glitch in the Lehigh server.

73,
jim-
KG4LDY

----- Original Message -----

From: "Wayne" <w5kdj@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, November 18, 2002 10:52 AM
Subject: Re:OT: Juno is (I think) blocking my messages

> I have had Juno for 3 years and have had no problems with anything. I see
> nothing that shows up as blocking tfc.

>
>
>
>
>
> W5KDJ_Wayne
>
>

Date: Mon, 18 Nov 2002 17:26:22 -0600
From: "George, W5YR" <w5yr@att.net>
To: <gm0nwiqrp@btopenworld.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [140357] Re: ARRL HANDBOOK (RF ATTENUATOR INFO)....es WEB PAGES...
Message-ID: <01aa01c28f59\$e934ad00\$0201a8c0@fairviewtx.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Andy, run do not walk to

<http://www.btinternet.com/~g4fgq.regp/>

and start downloading every kind of design program that you can imagine. The specific one you want for attenuator/pad design is named PADMATCH.EXE.

It will show you how to design any pad you every heard of.

And from a fellow Britisher, Reg Edwards . . . <:}

I used that program to design a 90 dB two-section PI attenuator to knock down the minimum output of my Icom PRO to an S5 signal on my Elecraft K2. Measured attenuation was 91 dB!

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas

In the 57th year and it just keeps getting better!

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe

K2 #489 Icom IC-765 #2349 Icom IC-756 PRO #2121

Date: Mon, 18 Nov 2002 16:44:50 -0700
From: "John McClain" <digi2@earthlink.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [140358] Sidekick and Island Cutter?
Message-ID: <006701c28f5c\$7cec0140\$6401a8c0@phoenix.speedchoice.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does the Island Cutter make solder pads that can be used in the Sidekick? I already have the Sidekick kit and the Island Cutter is on order. Should I wait for the Cutter or go ahead without it?

John

K7SVV

k7svv@arrl.net

K1 #1378, K2 #2569, SST 20, Rock Mite 20, Rock Mite 40, Nor'Easter

Date: Mon, 18 Nov 2002 18:52:57 -0500
From: "kw3u@warwick.net" <kw3u@warwick.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>,
W2TA0 <w2tao@bestweb.net>
Cc: Paul Hild <kd3l@mercurylink.net>,
"C. Michael D'Alto" <k2cd@mercurylink.net>,
Subject: [140359] 73 origin
Message-ID: <3DD97D59.96BDDACA@warwick.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all, in checking out some older QST's I bought on ebay I stumbled across this tidbit I thought I would pass along. I've seen threads on this before however I believe this is a new one (at least to me).

73 Many of us have often wondered where the telegraphers' conventional signal of greeting, "73" had its origin. It dates back to the early days of telegraphy. During the Civil War, Andrew Carnegie administered both the telegraphs and the railroads. Shortly after the war the Order of Military Telegraphers was organized. The members of this order had a fine "esprit de corps." During the Civil War, telegraphy was just as new as radio was during the World War and the operations of armies depended in a large measure upon the intelligent use of the telegraph. Upon Andrew Carnegie reaching the age of 73, the Order of Military Telegraphers gave him a testimonial dinner and from this the term "73" came into being as a symbol of good wishes.

---Office of Operations Bulletin, U. S. Navy

from the April, 1934 issue of QST

73's all de KW3U

End of QRP-L Digest 2743

